



INTERSECTION IMPROVEMENTS

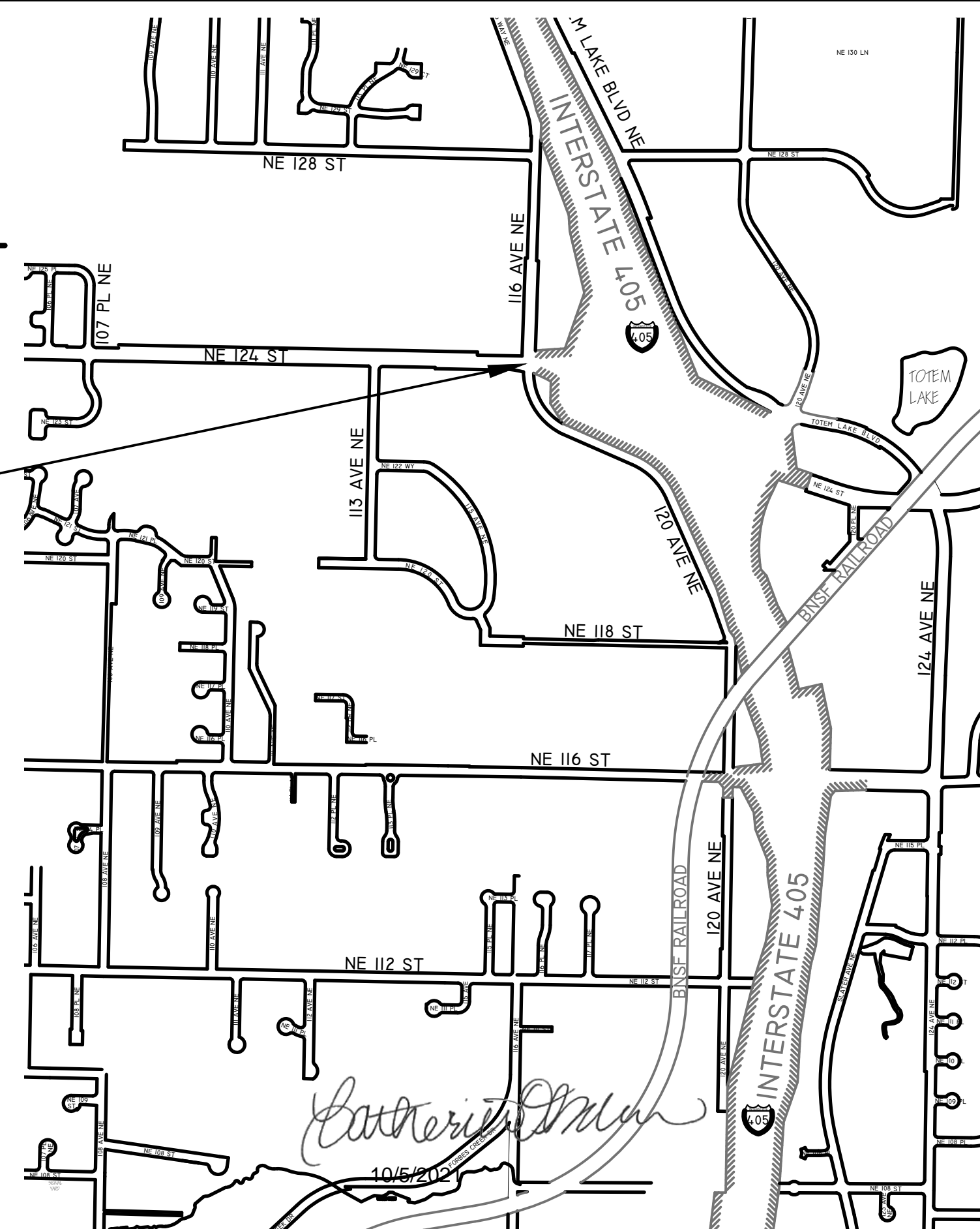
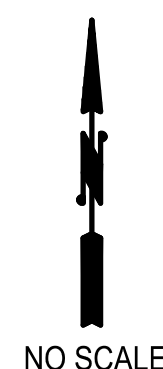
JOB NO. 09-21-PW

OCTOBER, 2021

TRC 1240000

PENNY SWEET	MAYOR
JAY ARNOLD	DEPUTY MAYOR
NEAL BLACK	COUNCIL MEMBER
KELLI CURTIS	COUNCIL MEMBER
AMY FALCONE	COUNCIL MEMBER
TOBY NIXON	COUNCIL MEMBER
JON PASCAL	COUNCIL MEMBER
KURT TRIPLETT	CITY MANAGER
JULIE UNDERWOOD	PUBLIC WORKS DIRECTOR
ROD STEITZER, PE	CAPITAL PROJECTS MANAGER

<u>NAME</u>	<u>AGENCY</u>	<u>PHONE</u>
CATHERINE OKAMURA, PE	COK PROJECT ENGINEER	425.587.3832
STEVE HOOPES	COK FIELD REPRESENTATIVE	425.623.5086
RIK MAYER	COK FIELD REPRESENTATIVE	206.496.4265
BEN McVITTIE	COK FIELD REPRESENTATIVE	425.410.4606
RUS MANDERY	WSDOT CONSTRUCTION REPRESENTATIVE	206.327.1877
PATTY MILLER	PUGET SOUND ENERGY (GAS)	206.305.7950
FREMONT AGUINALDO	PUGET SOUND ENERGY (ELECTRIC)	425.223.0936
JOE FORDON	COMCAST CABLE	425.263.5348
JAY SCHWAB	ZIPPLY FIBER	425.263.4019
SCOTT CHRISTENSON	VERIZON BUSINESS	425.471.1079
KELLY NESBITT - DISPATCH	NORTHSHORE UTILITY DISTRICT	425.398.4431
DAVE KAISER	NORTHSHORE UTILITY DISTRICT	425.419.8568
CONST. COORDINATOR	KING COUNTY METRO	206.477.1140
JEFF MILES	LAKE WASH. SCHOOL DISTRICT	425.936.1120
EMERGENCY	NORCOM	911
POLICE MAIN LINE	COK	425.587.3400
FIRE MAIN LINE	COK	425.864.3650
SPILL RESPONSE HOTLINE	COK	425.587.3900
ONE CALL UTILITY LOCATE		800.424.5555
CONSTRUCTION COORDINATOR	KCM	206.477.1140
METRO INSPECTOR	KCM	206.263.2381
KALE CHANG YUEN	KCM	206.263.0885
COLIN ASQUITH	KCM	206.477.5984

PROJECT
SITE ———

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INDEX OF DRAWINGS

<u>SHEET</u>	<u>DRAWING</u>
1	COVER SHEET
2	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
3	SURVEY CONTROL, ALIGNMENT, AND RIGHT-OF-WAY PLAN
4	TYPICAL ROADWAY SECTION
5	POTHOLE PLAN AND SCHEDULE
5A	SITE PREPARATION AND TESC PLAN
6-7	ROADWAY PLAN AND PROFILE
8-9	STORM AND SEWER PLAN AND PROFILE
10	STORM AND SEWER DETAILS
11-12	NUD WATER MAIN REPLACEMENT
13	NUD WATER DETAILS
14	GRADING PLAN
15	DRIVEWAY PLAN AND PROFILE
16	CHANNELIZATION PLAN
17	VEHICLE DETECTION AND ILLUMINATION PLAN
18	ELECTRICAL SCHEDULES AND DETAILS
19	SIGNAL PLANS
20	WIRE SCHEDULE AND DETAILS
21-22	WIRING DIAGRAMS
23	SIGNAL STANDARD DETAILS
24	ITN01 - FIBER OPTIC RELOCATION NOTES AND SCHEDULE
25	ITS01 - FIBER OPTIC SITE PLAN (EXISTING)
26	ITS02 - FIBER OPTIC SITE PLAN (PROPOSED)
27	ITS03 - FIBER OPTIC SPLICE DETAILS
28	ITS04 - FIBER OPTIC CABLE ONE-LINE DIAGRAM
29	LANDSCAPE PLAN AND DETAILS
30-34	TEMPORARY TRAFFIC CONTROL PLANS

NOTE: DUE TO SHEETS 5 AND 5A, THERE ARE 35 SHEETS
TOTAL IN THIS PLAN SET

BID SET

FILE: PS1802047G-02 LAYOUT: 002 PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124St_116AveNE\995.dwg PLOTTED BY: DubowDa DATE: Friday, September 24, 2021 1:58:09 PM

GENERAL NOTES

1.

A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
2.

ALL ROADWAY WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE CURRENT APWA AND CITY OF KIRKLAND STANDARDS AND SPECIFICATIONS.
3.

ALL PUBLIC ROADWAYS SHALL BE CONSTRUCTED OF 2" CLASS "B" AC PAVING ON 4" ASPHALT-TREATED BASE (ATB), UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DEPARTMENT.
4.

A COPY OF THE APPROVED ROADWAY PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
5.

DENSITY TEST REPORTS WILL BE REQUIRED FOR ALL PUBLIC ROADWAYS AND ALL PRIVATE ROADWAYS WITHIN PLATS. ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT DENSITY IN ROADWAYS, ROADWAY SHOULDERS, ROADWAY PRISM AND DRIVEWAYS, AND 85 PERCENT DENSITY IN UNPAVED ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT.
6.

ALL COMMERCIAL AND RESIDENTIAL DRIVEWAYS MUST CONFORM TO THE CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS DRIVEWAY POLICY.
7.

ALL CONCRETE FOR SIDEWALKS AND CURB AND GUTTER MUST BE 4,000 PSI MINIMUM. (5-3/4 SACK MIX.)
8.

IN THE CASE OF NEW ROAD CONSTRUCTION OR RECONSTRUCTION REQUIRING MAILBOXES TO BE MOVED OR REARRANGED, THE CONTRACTOR SHALL COORDINATE WITH THE U.S. POSTAL SERVICE FOR THE NEW LOCATION OF THE MAILBOX STRUCTURE.
9.

ANY ROADWAY SIGNAGE OR STRIPING REMOVED OR TEMPORARILY MOVED BY THE CONTRACTOR SHALL BE RESTORED TO MEET THE CURRENT CITY OF KIRKLAND STANDARDS.
10.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING CONSTRUCTION ACTIVITIES. THEREFORE, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) OR AS MODIFIED BY THE TRAFFIC ENGINEER.
11.

WHERE A SIDEWALK IS TO BE CONSTRUCTED ABOVE A SLOPE OR ADJACENT TO A ROCKERY OR RETAINING WALL WHERE THE LOWEST FINISHED ELEVATION OF THE SLOPE, ROCKERY, OR RETAINING WALL IS TO BE THIRTY INCHES (30") OR MORE BELOW THE FINISHED ELEVATION OF THE SIDEWALK, A SAFETY RAILING SHALL BE REQUIRED WHEN: (A) THE PLANE OF THE WALL FACE IS LESS THAN 4' IN HORIZONTAL DISTANCE FROM THE OUTSIDE EDGE OF THE SIDEWALK; (B) THE SLOPES ADJACENT TO THE SIDEWALK AVERAGE GREATER THAN TWO TO ONE.
12.

THE MAXIMUM GRADE FOR PRIVATE ROADWAYS SHALL BE TWENTY PERCENT (20%), OR FIFTEEN PERCENT (15%) IF USED FOR FIRE ACCESS. FOR PUBLIC ROADWAYS, THE MAXIMUM GRADE SHALL BE FIFTEEN PERCENT (15%).
13.

DEAD-END STREETS SHALL BE APPROPRIATELY SIGNED AND BARRICADED. SEE MOST CURRENT EDITION OF THE MUTCD.
14.

SIDEWALK AND CURB AND GUTTER CANNOT BE POURED MONOLITHICALLY. THERE MUST BE A COLD JOINT OR FULL-DEPTH EXPANSION JOINT BETWEEN THEM.
15.

MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROVIDE GROUND COVER IN AREAS WITHIN THE RIGHT-OF-WAY WHICH HAVE BEEN STRIPPED OF NATURAL VEGETATION OR HAVE A POTENTIAL FOR EROSION.
16.

THE CONTRACTOR SHALL COORDINATE WITH PUGET POWER FOR THE DESIGN AND INSTALLATION OF STREET LIGHTS ON ALL NEWLY-CREATED PUBLIC ROADWAYS AND EXISTING ROADWAYS.
17.

WHEN AN EXISTING ROADWAY IS TO RECEIVE A HALF-STREET OVERLAY, THE EXISTING ROADWAY MUST BE COLD PLANED AT THE EDGE OF THE GUTTER AND CENTERLINE. WHEN THE EXISTING ROADWAY IS TO RECEIVE A FULL-STREET OVERLAY, IT MUST BE COLD PLANED AT THE EDGE OF BOTH GUTTERS. SEE CITY OF KIRKLAND STANDARD DETAIL NO. R.13.
18.

ALL NEW SIGNS REQUIRED IN THE PUBLIC RIGHT-OF-WAY MUST BE PURCHASED FROM, AND INSTALLED BY, THE CITY OF KIRKLAND PUBLIC WORKS DEPARTMENT.
19.

WHEN INSTALLING NEW SIDEWALK, THE AREA BEHIND THE SIDEWALK MUST BE GRADED SO THAT THE YARD DRAINAGE DOES NOT DRAIN OVER THE SIDEWALK.
20.

ANY EXISTING PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PRIOR TO FINAL INSPECTION.
21.

THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC STREETS FREE FROM MUD AND DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL BE PREPARED TO USE POWER SWEEPERS OR OTHER PIECES OF EQUIPMENT NECESSARY TO KEEP THE ROADWAYS CLEAN.

22.

BACKFILL IN ALL STREET CUTS ON ARTERIALS WILL BE CONTROL DENSITY FILL (CDF). CONTRACTOR MUST PROVIDE STEEL PLATING NECESSARY TO ALLOW THE CDF TO CURE.
23.

WHEN CONSTRUCTING NEW CURB AND GUTTER WHICH DOES NOT ALIGN WITH THE EXISTING EDGE OF PAVEMENT, THE ROADWAY MUST BE TAPERED FROM THE ENDS OF THE NEW CURB AND GUTTER TO MATCH THE EXISTING PAVEMENT. THE ENTRY TAPER INTO THE NEW IMPROVEMENTS SHALL BE 5:1 AND LEAVING THE NEW IMPROVEMENTS SHALL BE 10:1.
24.

WHEN AN EXISTING ROADWAY IS TO BE WIDENED, THE EXISTING PAVEMENT MUST BE SAW CUT AT LEAST ONE FOOT FROM THE EDGE TO PROVIDE A PROPER MATCH BETWEEN NEW AND EXISTING ASPHALT. HOWEVER, WHEN THE EXISTING PAVEMENT CONTAINS ALLIGATORING AREAS, THOSE AREAS MUST BE REMOVED PRIOR TO WIDENING. ALL SAW CUTS SHALL BE PARALLEL OR PERPENDICULAR TO THE RIGHT-OF-WAY CENTERLINE.
25.

ALL ROCKERIES MUST BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT GUIDELINES OF THE ASSOCIATION.
26.

SAWCUT PAVEMENT TO BE REMOVED TO STRAIGHT VERTICAL LINES. SIDEWALK PANELS SHALL BE REMOVED TO THE NEAREST SCORE-LINES OR CONSTRUCTION JOINTS. FIELD-VERIFY LOCATION OF SCORE-LINES AND CONSTRUCTION JOINTS.

METRO BUS GENERAL NOTES

1.

IT IS REQUIRED THAT THE CONSTRUCTION COORDINATOR (CONSTRUCTION.COORD@KINGCOUNTY.GOV) AND TRANSIT ROUTE FACILITIES PLANNER FOR THE AREA BE INVITED TO THE PRE-CONSTRUCTION MEETINGS BETWEEN THE CONTRACTOR(S), CONSTRUCTION MANAGEMENT FIRMS AND THE JURIDICITION BEFORE THE NOTICE TO PROCEED IS ISSUED.
2.

PRIOR TO CONSTRUCTION OF METRO FOOTINGS AND FACILITIES, PLEASE CONTACT METRO INSPECTORS AND CONSTRUCTION AT BUSSTOPINSPECTIONS@KINGCOUNTY.GOV OR BY PHONE AT 206-263-2381. PLEASE NOTE THAT METRO REQUIRES NOTICE OF AT LEAST THREE WEEKS IN ADVANCE TO SCHEDULE AN INSPECTION. ALL METRO FOOTINGS MUST BE INSPECTED AND APPROVED BY METRO INSPECTORS BEFORE ANY CONCRETE IS POURED.
3.

AFTER SHELTER FOOTING INSPECTION AND COMPLETED CONSTRUCTION, PLEASE CONTACT PLANSREVIEW@KINGCOUNTY.GOV TO SCHEDULE SHELTER FRAME INSTALLATION AND BUS STOP FLAGPOST INSTALLATION.
4.

AT LEAST FIVE (5) WORKING DAYS PRIOR TO MOBILIZATION AND CLOSING OF ANY BUS STOP, CONTACT METRO TRANSIT CONSTRUCTION COORDINATOR AT (206)477-1140 TO COORDINATE POSTING RIDER ALERT ABOUT BUS STOP CLOSURE AND ESTABLISHMENT OF INTERIM BUS ZONES.
5.

WHEN ENCOUNTERING CONSTRUCTION SITES WITH EXISTING TRANSIT FURNITURE SUCH AS SHELTERS, PEDESTRIAN LIGHT POST AND LUMINAIRES, BENCHES, LITTER RECEPTACLES AND BUS STOP SIGNS AND POSTS EXIST, CALL MATT RAWSON (206-263-5681).
6.

BENCHES, LITTER RECEPTACLES AND BIKE LOOPS: METRO TRANSIT WILL FURNISH, TRANSPORT AND INSTALL THE SITE FURNITURE AT EACH BUS ZONE.
7.

BUS SHELTERS, RAPIDRIDE TECHNOLOGY PYLONS, AND BLADE MARKERS: METRO TRANSIT WILL PROVIDE, TRANSPORT, AND INSTALL THE FIXTURES/ FURNITURE UPON COMPLETION OF THE SITE WORK, INCLUDING THE POWER CONNECTION FROM THE FOUNDATIONS TO THE FIXTURES/ FURNITURE.
8.

BUS SIGNS, UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS, METRO TRANSIT WILL FURNISH AND INSTALL BUS SIGNS AT THE ZONES.
9.

PER SECTION 810 OF THE ADA STANDARDS FOR TRANSPORTATION FACILITIES, THE CROSS-SLOPE OF A BUS STOP BOARDING AND ALIGHTING AREA SHALL NOT BE STEEPER THAN 1:48 (~2%). THIS STANDARD APPLIES TO ANY NEW OR MODIFIED BUS STOP.

LINestyle LEGEND

CUT LINE	----
FILL LINE	----
ALIGNMENT CENTERLINE	----
RIGHT-OF-WAY LINE	=====
PROPERTY LINE	-----
TEMPORARY CONSTRUCTION EASEMENT LINE	-----
PERMANENT UTILITY EASEMENT LINE	-----
CABLE TV LOCATES	-----TV-----
COMMUNICATION LOCATES	-----T-----
FIBER OPTIC LOCATES	-----FO-----FO-----FO-----
GAS LOCATES	-----G-----
STORM LINE	-----SD-----
SEWER LINE	-----SS-----
POWER LOCATES	-----P-----
WATER LOCATES	-----W-----
EDGE OF ASPHALT	=====

ABBREVIATIONS

AP	ANGLE POINT
AVE	AVENUE
CB	CATCH BASIN
CL	CENTERLINE
COMM	COMMUNICATION
CONC	CONCRETE
DB	DIRECT BURY
DET	DETECTION
DI	DUCTILE IRON
DNF	DID NOT FIND
EL	ELEVATION
EVP	EMERGENCY VEHICLE PRE-EMPTION
EX	EXISTING
FT	FEET
GPS	GLOBAL POSITIONING SYSTEM
HMA	HOT MIX ASPHALT
IE	INVERT ELEVATION
IN	INCH
LF	LINEAR FEET
LT	LEFT
MIN	MINIMUM
MON	MONUMENT
NE	NORTHEAST
NO	NUMBER
NST	NO STEEPER THAN
PED	PEDESTRIAN
PPB	PEDESTRIAN PUSH BUTTON
PVI	POINT OF VERTICAL INTERSECTION
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT
SMFO	SINGLE MODE FIBER OPTIC
ST	STREET
STA	STATION
STW	WRAPPED STEEL
VAR	VARIES
VC	VERTICAL CURVE
VEH	VEHICLE
WA	WASHINGTON
WAC	WASHINGTON ADMINISTRATIVE CODE

PROPOSED

SYMBOL LEGEND

FOUND SURFACE MONUMENT		
FOUND MAG NAIL		
FOUND REBAR AND CAP		
SIGN		
TRAFFIC SIGNAL POLE		
TRAFFIC SIGNAL POLE WITH LIGHT		
GAS VALVE		
CATCH BASIN		
CATCH BASIN SOLID		
STORM CLEAN OUT		
MANHOLE		
STORM SEWER CLEAN OUT		
MANHOLE SEWER		
POWER		
JUNCTION BOX POWER PANEL		
POWER TRANSFORMER		
TELEPHONE RISER		
TELEPHONE MANHOLE		
TELEPHONE PANEL		
UNKNOWN UTILITY VAULT		
GATE POST		
MONITORING WELL		
FIRE DEPT CON		
IRRIGATION VALVE		
FIRE HYDRANT		
WATER METER		
WATER VALVE		
LIGHT		
STANDARD STREET LIGHT		
POWER POLE		
GUARD POST		

BID SET

CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

APPROVED BY:

DATE: 10/5/2021

D. SUSLIKOV
DESIGNED BY: 7/2021
DATE

C. DUBOW
DRAWN BY: 7/2021
DATE

D. SCHNEIDER
CHECKED BY: 7/2021
DATE

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

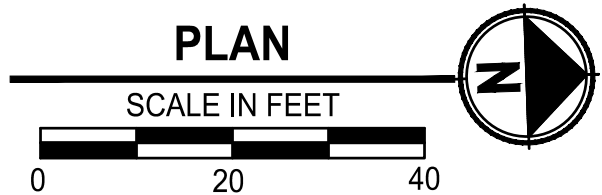
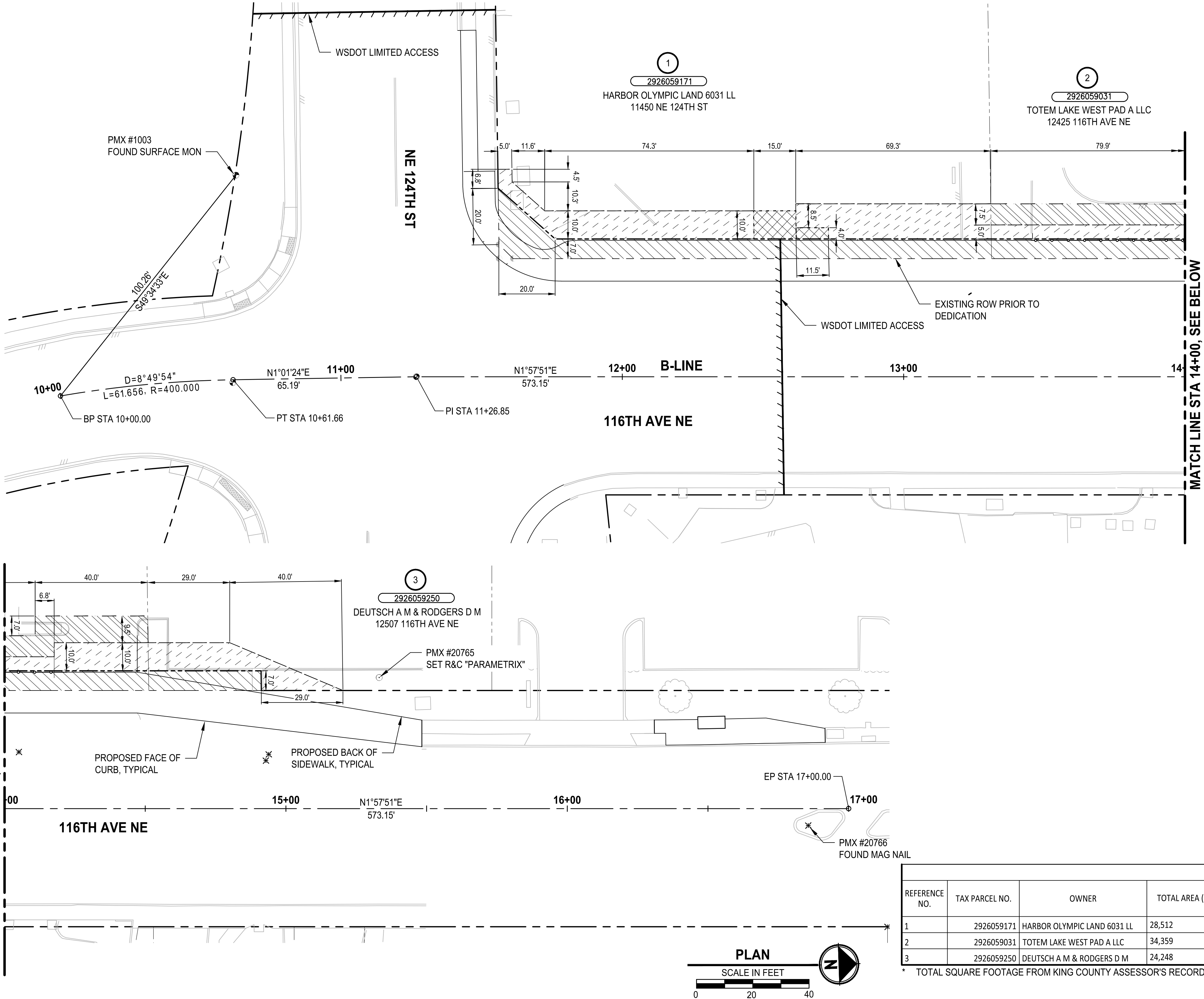
SHEET: 2 OF 35

SCALE: NO SCALE

JOB NO.: 214-1802-047

FILENAME: PS1802047G-02.DWG

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HORIZONTAL DATUM:

HORIZONTAL DATUM FOR THIS SURVEY IS NAD 1983(11), WASHINGTON STATE PLANE NORTH ZONE COORDINATE SYSTEM, U.S. SURVEY FEET. THE HORIZONTAL DATUM IS BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATIONS GP17405-329 AND GP17405-76.

POINT DESIGNATION GP17405-329
NORTHING: 263724.699
EASTING: 1307736.673

POINT DESIGNATION GP17405-76
NORTHING: 260631.362
EASTING: 1308853.937

VERTICAL DATUM:

VERTICAL DATUM IS NAVD88 BASED ON PUBLISHED INFORMATION FROM WSDOT, POINT DESIGNATION GP17405-329
POINT DESIGNATION
ELEVATION: 180.872

PARAMETRIX CONTROL TABLE

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1003	262296.86	1307216.60	144.27	FOUND SURFACE MON
20765	262766.20	1307257.82	126.74	SET R&C "PARAMETRIX"
20766	262916.79	1307315.69	125.32	FOUND MAG NAIL

SURVEY NOTES:

- THIS MAP CORRECTLY REPRESENTS CONDITIONS AND FEATURES EXISTING AT THE TIME OF THIS SURVEY IN NOVEMBER, 2019.
- CONVENTIONAL AND GPS SURVEY EQUIPMENT WAS USED IN THE PERFORMANCE OF THIS SURVEY. ALL EQUIPMENT IS MAINTAINED IN CONFORMANCE WITH CURRENT STATE STATUTE.
- THIS SURVEY WAS PREPARED BY FIELD TRAVERSE AS PER WAC 332-130-090, PART C. RELATIVE ACCURACY EXCEEDS 1 FOOT IN TEN THOUSAND.
- ALL SURFACE FEATURES AND INVERT STRUCTURE ELEVATION SHOWN HEREON WERE FIELD LOCATED AND MEASURED BY PARAMETRIX FOR THIS SURVEY. UNDERGROUND UTILITY LINES ARE BASED UPON A COMBINATION OF ASBUILT PLANS, SURFACE FEATURE MEASUREMENTS AND ONSITE UNDERGROUND UTILITY MARKINGS PERFORMED BY OTHERS.
- THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.
- BOUNDARY AND RIGHT-OF-WAY INFORMATION SHOWN HEREON IS BASED ON FOUND MONUMENTS AND RECORD DOCUMENTS PROVIDED BY KING COUNTY.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH MAY REVEAL RESTRICTIONS OR EASEMENTS OF RECORD. ACCORDINGLY, NONE ARE SHOWN HEREON.

LEGEND:

	RIGHT-OF-WAY PRIOR TO DEDICATION
	RIGHT-OF-WAY
	PROPERTY LINE
	PERMANENT UTILITY EASEMENT
	RIGHT-OF-WAY DEDICATION
	TEMPORARY CONSTRUCTION EASEMENT
	DRIVEWAY RECONSTRUCTION PERMIT
	KING COUNTY PARCEL NUMBER

OWNERSHIP TABLE								
REFERENCE NO.	TAX PARCEL NO.	OWNER	TOTAL AREA (SF) *	TEMPORARY CONSTRUCTION EASEMENT (SF)	TEMPORARY CONSTRUCTION PERMIT (SF)	RIGHT-OF-WAY DEDICATION (SF)	UTILITY EASEMENT (SF)	REMAINDER (SF)
1	2926059171	HARBOR OLYMPIC LAND 6031 LL	28,512	1,680		1,392	196	27,120
2	2926059031	TOTEM LAKE WEST PAD A LLC	34,359	768	1,013	840		33,519
3	2926059250	DEUTSCH A M & RODGERS D M	24,248	553		280		23,968

* TOTAL SQUARE FOOTAGE FROM KING COUNTY ASSESSOR'S RECORDS

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE: 10/5/2021

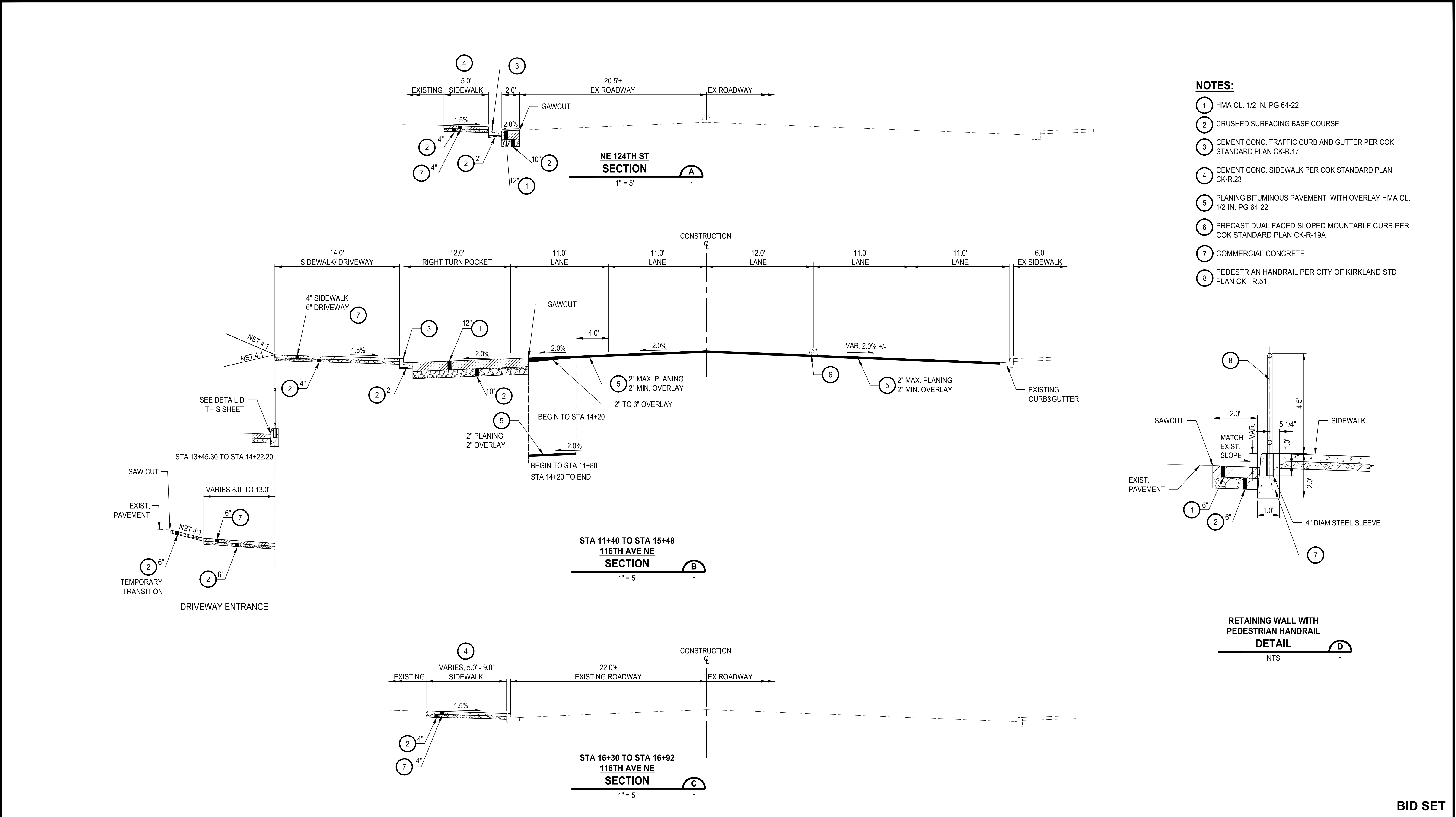
D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

**SURVEY CONTROL, ALIGNMENT,
AND RIGHT-OF-WAY PLAN**

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA


SHEET: **3** OF **35**
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: P:\1802\1802-047\1802-CityOfKirkland\214-1802-047 NE124TH 116thAve\985-va\CADD\DWG PLOTTED BY: DubowG DATE: Friday, September 24, 2021 1:58:38 PM



NOTES:

- 1 HMA CL. 1/2 IN. PG 64-22
- 2 CRUSHED SURFACING BASE COURSE
- 3 CEMENT CONC. TRAFFIC CURB AND GUTTER PER COK STANDARD PLAN CK-R.17
- 4 CEMENT CONC. SIDEWALK PER COK STANDARD PLAN CK-R.23
- 5 PLANING BITUMINOUS PAVEMENT WITH OVERLAY HMA CL. 1/2 IN. PG 64-22
- 6 PRECAST DUAL FACED SLOPED MOUNTABLE CURB PER COK STANDARD PLAN CK-R-19A
- 7 COMMERCIAL CONCRETE
- 8 PEDESTRIAN HANDRAIL PER CITY OF KIRKLAND STD PLAN CK - R.51




CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M...

DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE

C. DUBOW 7/2021
DRAWN BY: DATE

D. SCHNEIDER 7/2021
CHECKED BY: DATE

TYPICAL ROADWAY SECTION

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS

CITY OF KIRKLAND, WA

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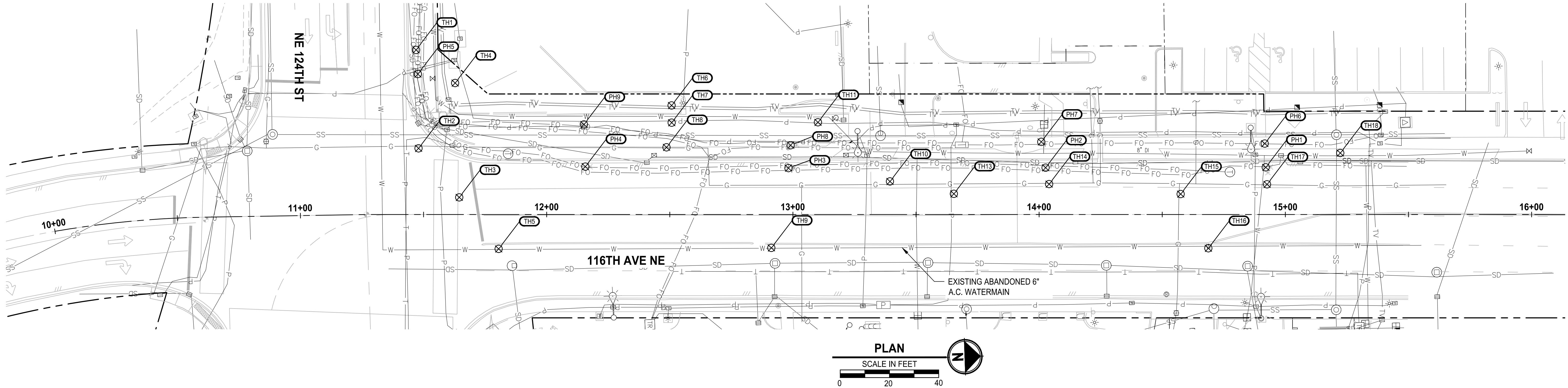
SHEET: 4 OF 35

SCALE: NOT TO SCALE

JOB NO.: 214-1802-047

FILENAME:

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POTHOLE SCHEDULE

POTHOLE	STATION	OFFSET	UTILITY TYPE	UTILITY MATERIAL	UTILITY SIZE	TOP OF UTILITY FROM GRADE	BOTTOM OF UTILITY FROM GRADE	PAVEMENT DEPTH	COMMENTS
TH1	11+47.0	66.9' LT	COMMUNICATION	CDF	60"	8"	28"	8" AND 6"	FOUND CDF DUCT BANK, COULD NOT LOCATE OTHER UTILITES AROUND IT. 7" SLOT CUT.
TH2	11+48.0	26.9' LT	GAS	MPE	4"	41"	45"	14"	
TH3	11+64.5	7.0' LT	POWER	DNF	DNF	DNF	DNF	26"	ASPHALT TOO THICK TO JACKHAMMER ALL THE WAY THROUGH.
TH4	11+62.8	53.5' LT	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	-	CLEARED DOWN TO 7", DID NOT LOCATE ANY UTILITIES.
TH5	11+80.5	14.0' RT	WATER	AC	8"	68"	76"	28"	TOP TAPPED FOR MEASUREMENT DUE TO TOO MUCH GROUND WATER.
TH6	12+50.7	44.3' LT	COMMUNICATION	DB	2"	55"	57"	-	
TH7	12+50.8	37.3' LT	POWER	PVC	2"x4"	31"	35"	3"	
TH8	12+48.7	27.3' LT	GAS	STW	4"	44"	48"	9"	
TH9	12+91.2	13.6' RT	WATER	AC	8"	52"	60"	10"	
TH10	13+39.4	13.5' LT	GAS	STW	4"	39"	43"	10"	
TH11	13+10.2	37.5' LT	POWER	PVC	2"x4"	28"	32"	3"	
TH12	NOT FOUND	NOT FOUND	POWER	DNF	DNF	DNF	DNF	-	DID NOT DIG, COULD NOT GET A GOOD LOCATE ON THE POWER.
TH13	13+65.4	8.4' LT	POWER	DNF	DNF	DNF	DNF	12	DUG ON LOCATE AND COULD NOT DIG PAST 4'.
TH14	14+04.1	12.4' LT	GAS	STW	4"	49"	53"	9"	
TH15	14+57.5	8.3' LT	GAS	STW	2"	43"	45"	12"	
TH16	14+68.7	13.7' RT	WATER	AC	8"	50"	58"	12"	
TH17	14+92.6	12.3' LT	GAS	STW	4"	42"	46"	7"	
TH18	15+22.3	25.0' LT	WATER	DI	8"	47"	55"	-	PIPE LOOKS TO BE WRAPPED IN PLASTIC.
PH1	14+92.0	19.2' LT	COMMUNICATION	PVC	3"x2"	40"	42"	8"	FOUND 2" UNKNOWN UTILITY. NO LOCATES FOR UNKNOWN.
PH2	14+02.6	19.0' LT	COMMUNICATION	DNF	DNF	DNF	DNF	8	HIT FLOWING GROUND WATER AT 3'. PROBED TO 6' ON LOCATE, NO FEELING OF ANY UTILITY. UNABLE TO GET GOOD LOCATE.
PH3	12+98.2	18.9' LT	COMMUNICATION	RUBBER	16"	67"	83"	6"	
PH4	12+15.7	19.5' LT	COMMUNICATION	RUBBER	16"	71"	87"	8"	
PH5	11+47.7	57.1' LT	COMMUNICATION	DNF	DNF	DNF	DNF	4"	CDF UNDER SIDEWALK, UNABLE TO GO THROUGH. BOTH FIBER LINES APPEAR TO COME TOGETHER. RING CLAMPED UTILITY LOCATED TO CENTER OF SIDEWALK. GOT DEPTH OF 5'-8'.
PH6	14+91.6	28.9' LT	COMMUNICATION	PVC	2"x4"	28"	32"	4"	
PH7	14+00.9	29.4' LT	COMMUNICATION	PVC	2"x4"	48"	52"	4"	
PH8	12+99.1	28.2' LT	COMMUNICATION	PVC	3"x4"	46"	50"	4"	
PH9	12+15.2	36.6' LT	COMMUNICATION	PVC	3"x4"	30"	34"	4"	

LEGEND

- THX 2021 POTHOLES
PHX 2019 POTHOLES

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine Mun
DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

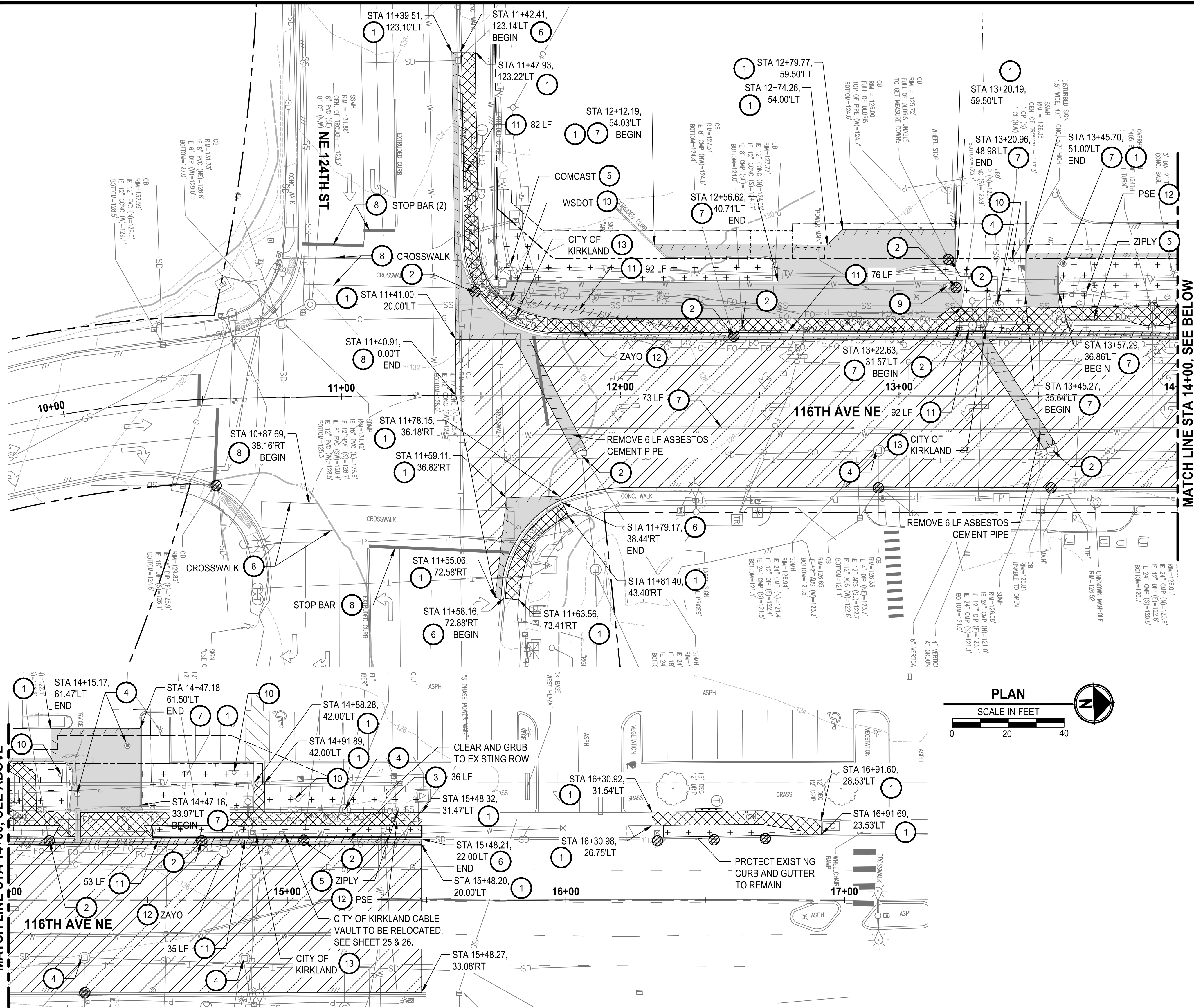
POTHOLING PLAN AND SCHEDULE

Parametrix
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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET: 5 OF 35
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: PS1802047SP-01 LAYOUT: SPI PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124ST 116thAveNE\95res\CADD\DWG PLOTTED BY: wssennar DATE: Tuesday, September 28, 2021 10:03:22 AM



GENERAL NOTES:

1. ASPHALT/ CONCRETE DEMOLITION LIMITS ARE APPROXIMATE. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY THE CONTRACTOR AND CITY CONSTRUCTION OBSERVER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF FIELD MARKING PRIOR TO DEMOLITION ACTIVITIES.
2. REMOVAL OF CULVERTS AND FORM PIPES WILL REQUIRE BACKFILL AND FULL ROADWAY PAVEMENT RESTORATION. THESE AREAS OF RESTORATION ARE NOT SHOWN ON THE PLANS.
3. CONTRACTOR TO PRESERVE AND PROTECT ALL EXISTING UTILITIES NOT MARKED FOR REMOVAL.
4. SEE SIGNAL PLANS FOR EXISTING SIGNAL AND PEDESTRIAN PUSH BUTTON REMOVALS OR ALTERATIONS AND CONDUIT SITE PREPARATION.
5. SEE ILLUMINATION PLANS FOR EXISTING ROADWAY AND PEDESTRIAN LIGHTING REMOVALS OR RELOCATIONS AND CONDUIT SITE PREPARATION.
6. SEE NUD WATER SHEETS FOR ALL WATERMAIN SITE PREPARATION.

SITE PREPARATION NOTES:

- 1 SAWCUT ASPHALT OR CONCRETE PAVEMENT AT LOCATION SHOWN.
- 2 REMOVING DRAINAGE STRUCTURE.
- 3 REMOVAL OF STORM PIPE BETWEEN DRAINAGE STRUCTURES.
- 4 ADJUST MANHOLE OR VALVE TO FINISHED GRADE.
- 5 REPLACE VAULT LID WITH TRAFFIC BEARING LID AND ADJUST TO FINISHED GRADE, BY OTHERS.
- 6 REMOVING CEMENT CONC. CURB AND GUTTER.
- 7 REMOVING CEMENT CONC. CURB.
- 8 REMOVE PAINT LINE, PLASTIC LINE, PAINTED TRAFFIC MARKING, TURN LANE MARKING, OR PAINTED CROSSWALK LINE.
- 9 REMOVE AND SALVAGE EXISTING FIRE HYDRANT, DELIVER TO DISTRICT YARD IN KENMORE IN CLEAN AND OPERABLE CONDITION.
- 10 SEE CHANNELIZATION PLANS FOR REMOVAL OR RELOCATION OF SIGNS.
- 11 ABANDON STORM LINE BETWEEN DRAINAGE STRUCTURES BY FILLING PIPE WITH CDF.
- 12 ADJUST MANHOLE OR VAULT TO FINISHED GRADE, BY OTHERS.
- 13 REMOVE JUNCTION BOX OR VAULT. CONTRACTOR TO COORDINATE WITH CITY AND OWNER PRIOR TO REMOVAL.

LEGEND:

- SAWCUT
- CLEARING AND GRUBBING
- RIGHT-OF-WAY
- PERMANENT UTILITY EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- DRIVEWAY RECONSTRUCTION PERMIT
- REMOVE UTILITY
- REMOVE ASPHALT PAVEMENT
- PLANING BITUMINOUS PAVEMENT
- REMOVE CONCRETE SIDEWALK
- CLEARING AND GRUBBING AREA
- STORM DRAIN PROTECTION INSERT IN CATCH BASIN PER CITY OF KIRKLAND STANDARD DETAIL CK-E.11

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
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NO.	DATE	BY	APPR.	REVISION



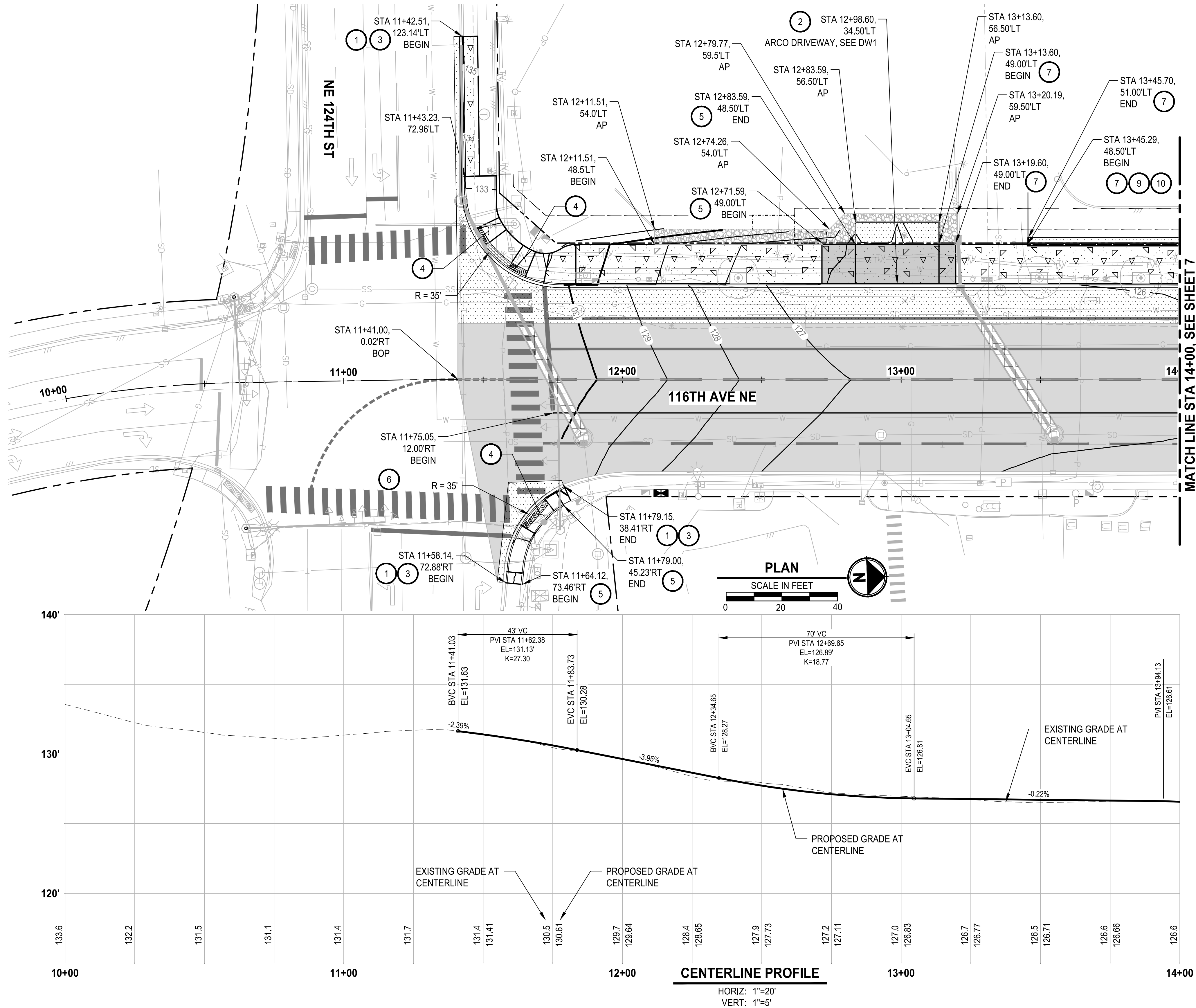
APPROVED BY:
Catherine M...
DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

SITE PREPARATION AND TESC PLAN
NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA
Parametrix
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SHEET:	5A of 35
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	

FILE: PS1802047RD-01 LAYOUT: RD1 PATH: U:\PSD\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE 124th St 116th Ave NE\SS\CAADD\DWG PLOTTED BY: DubowG Date: Friday, September 24, 2021 1:59:26 PM



GENERAL NOTES:

1. ALL ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KING COUNTY 2016 ROAD DESIGN AND CONSTRUCTION STANDARDS WITH CITY OF KIRKLAND ADDENDUM, UNLESS OTHERWISE NOTED.
2. ALL CALLOUTS FOR CURB/GUTTER AND DRIVEWAYS ARE TO THE FLOWLINE.
3. SEE GRADING SHEETS FOR GRADING AND ADDITIONAL DETAIL AT CURB RAMPS AND METRO BUS SHELTER.
4. SEE DRIVEWAY SHEETS FOR DRIVEWAY PROFILES.
5. SEE DEMOLITION SHEETS FOR ROADWAY PAVING LIMITS.
6. SEE SIGNAL AND ELECTRICAL PLANS FOR SIGNAL AND LIGHTING DETAILS.
7. SEE NUD WATER SHEETS FOR WATERMAIN RESTORATION LIMITS.
8. SEE SIGNAL AND VEHICLE DETECTION PLANS FOR CONDUIT RESTORATION LIMITS.

ROADWAY CONSTRUCTION NOTES:

1. CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER CITY OF KIRKLAND STD PLAN CK-R.17.
2. CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE TYPE COMMERCIAL PER SHEET 15.
3. CONSTRUCT CEMENT CONC. SIDEWALK PER CITY OF KIRKLAND STD PLAN CK-R.23.
4. CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03. SEE SHEET 14 FOR GRADING DETAILS.
5. CONSTRUCT CEMENT CONC. PEDESTRIAN CURB AT BACK OF SIDEWALK PER CITY OF KIRKLAND STD PLAN CK-R.17A.
6. CONSTRUCT PRECAST DUAL FACED SLOPE MOUNTABLE CURB PER CITY OF KIRKLAND STD PLAN CK-R.19A.
7. CONSTRUCT CEMENT CONC. TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04.
8. CONSTRUCT STANDARD SHELTER FOOTING B21 WITH INTERNAL SOLAR SHELTER LIGHTING PER KING COUNTY METRO STANDARD PLANS D103 AND D111. CONTRACTOR TO COORDINATE WITH KING COUNTY METRO A MINIMUM OF 5 DAYS PRIOR TO RELOCATION. CONTRACTOR TO COORDINATE WITH METRO A MINIMUM OF 3 WEEKS IN ADVANCE TO SCHEDULE AN INSPECTION. SEE GENERAL NOTES SHEET 2.
9. CONSTRUCT PEDESTRIAN HANDRAIL PER CITY OF KIRKLAND STD PLAN CK-R.51 AND DETAIL D ON SHEET 4.
10. CONSTRUCT RETAINING WALL PER DETAIL D ON SHEET 4.

LEGEND:

- FULL DEPTH ROAD SECTION, SEE SHEET 4 FOR DETAILS
- OVERLAY SECTION, SEE SHEET 4 FOR DETAILS
- TRENCH RESTORATION, SEE CITY OF KIRKLAND STANDARD PLAN CK-R.13A
- CEMENT CONC. SIDEWALK
- CEMENT CONC. DRIVEWAY ENTRANCE TYPE COMMERCIAL/INDUSTRIAL
- CRUSHED SURFACING BASE COURSE
- RIGHT-OF-WAY
- PROPERTY LINE
- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT
- PEDESTRIAN HANDRAIL

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:
D. Suslikov
DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

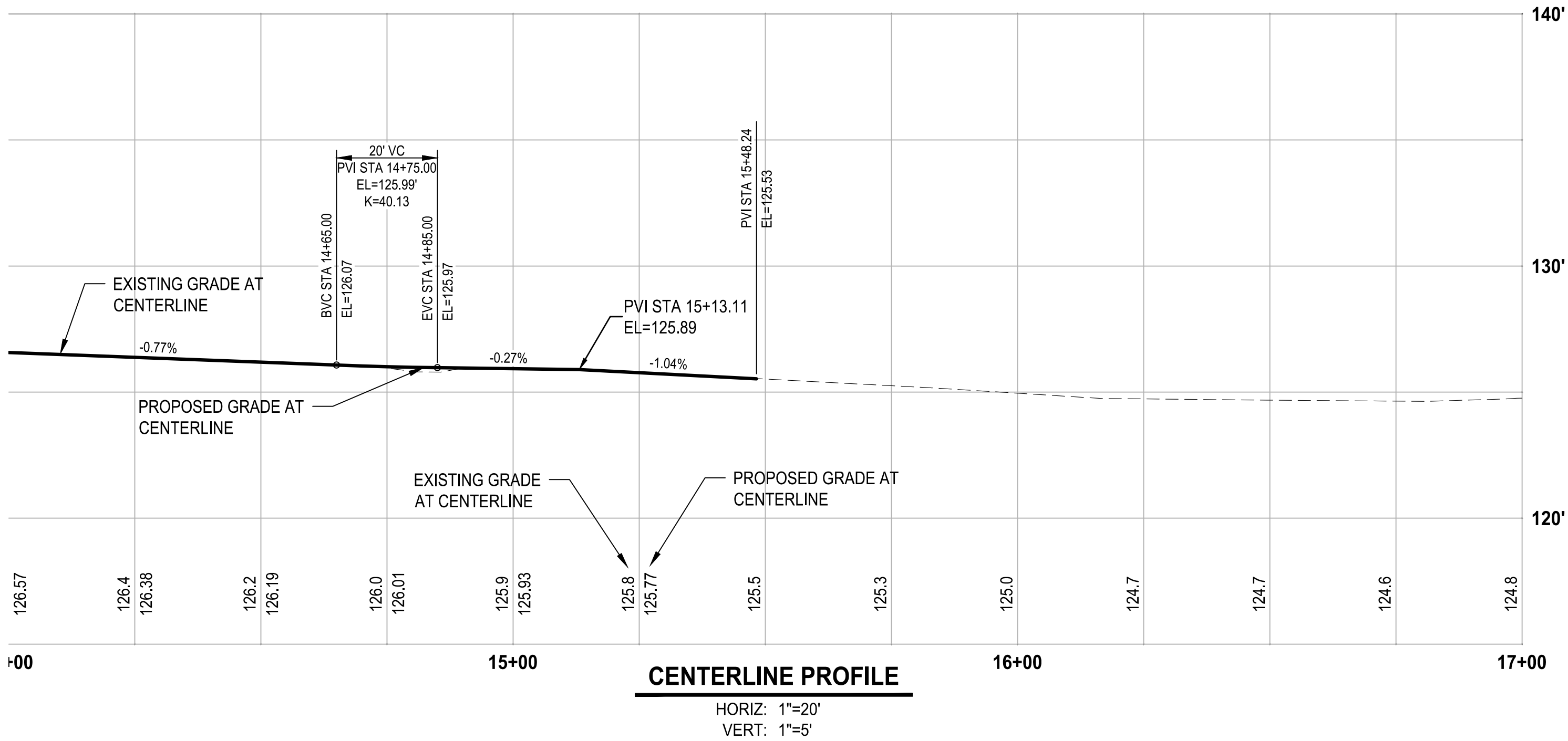
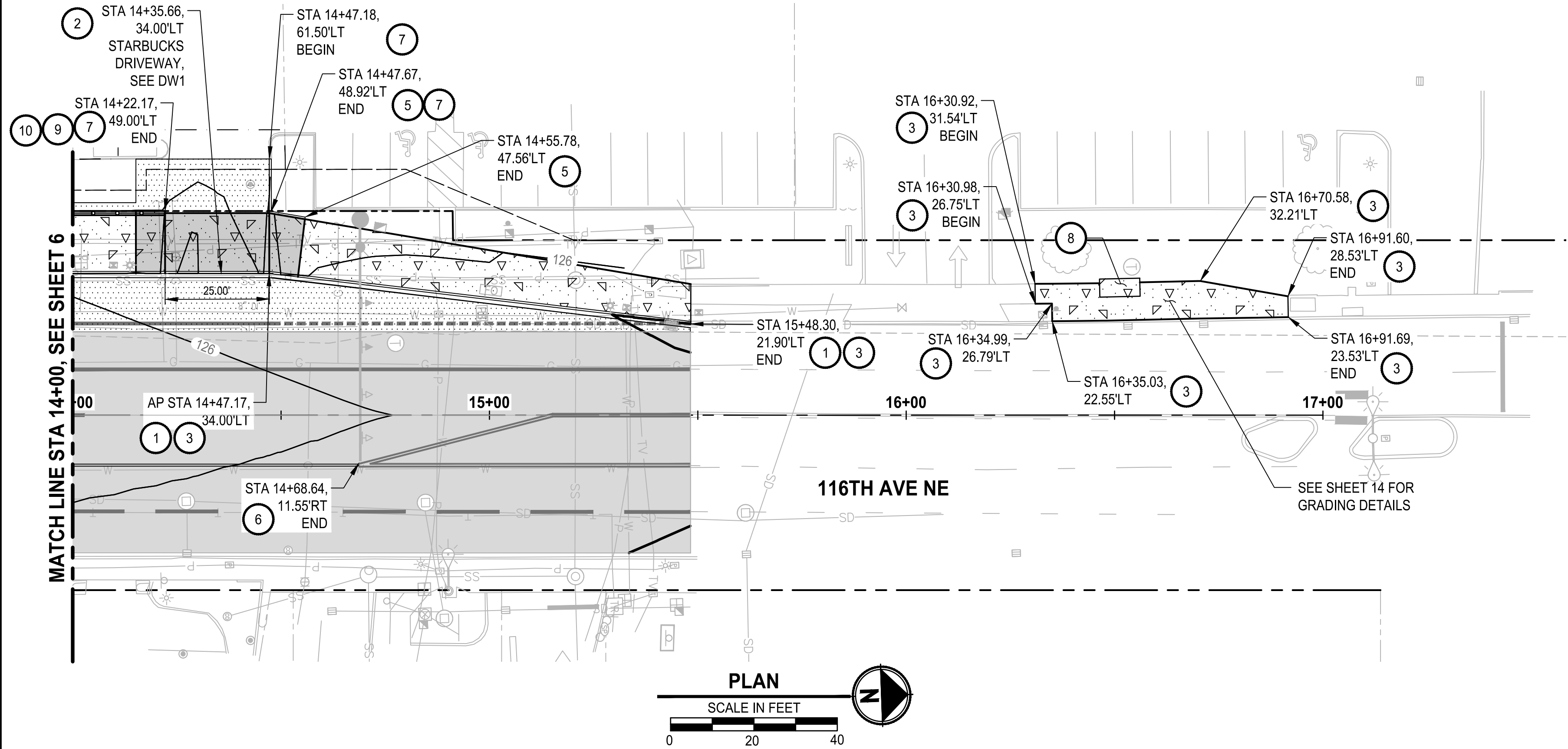
ROADWAY PLAN AND PROFILE

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

Parametrix
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SHEET:	6 OF 35
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	

FILE: PS180204PRD-01 LAYOUT: RD2 PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\1802-1802-047 NE124St 116thAve\995ves\CADD\DWG PLOTTED BY: DubowCo DATE: Friday, September 24, 2021 1:59:37 PM



- GENERAL NOTES:**
- ALL ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KING COUNTY 2016 ROAD DESIGN AND CONSTRUCTION STANDARDS WITH CITY OF KIRKLAND ADDENDUM, UNLESS OTHERWISE NOTED.
 - ALL CALLOUTS FOR CURB/GUTTER AND DRIVEWAYS ARE TO THE FLOWLINE.
 - SEE GRADING SHEETS FOR GRADING AND ADDITIONAL DETAIL AT CURB RAMPS AND METRO BUS SHELTER.
 - SEE DRIVEWAY SHEETS FOR DRIVEWAY PROFILES.
 - SEE DEMOLITION SHEETS FOR ROADWAY PAVING LIMITS.
 - SEE SIGNAL AND ELECTRICAL PLANS FOR SIGNAL AND LIGHTING DETAILS.
 - SEE NUD WATER SHEETS FOR WATERMAIN RESTORATION LIMITS.
 - SEE SIGNAL AND VEHICLE DETECTION PLANS FOR CONDUIT RESTORATION LIMITS.

- ROADWAY CONSTRUCTION NOTES:**
- CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER CITY OF KIRKLAND STD PLAN CK-R.17.
 - CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE TYPE COMMERCIAL PER SHEET 15.
 - CONSTRUCT CEMENT CONC. SIDEWALK PER CITY OF KIRKLAND STD PLAN CK-R.23.
 - CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03. SEE SHEET 14 FOR GRADING DETAILS.
 - CONSTRUCT CEMENT CONC. PEDESTRIAN CURB AT BACK OF SIDEWALK PER CITY OF KIRKLAND STD PLAN CK-R.17A.
 - CONSTRUCT PRECAST DUAL FACED SLOPE MOUNTABLE CURB PER CITY OF KIRKLAND STD PLAN CK-R.19A.
 - CONSTRUCT CEMENT CONC. TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04.
 - CONSTRUCT STANDARD SHELTER FOOTING B21 WITH INTERNAL SOLAR SHELTER LIGHTING PER KING COUNTY METRO STANDARD PLANS D103 AND D111. CONTRACTOR TO COORDINATE WITH KING COUNTY METRO A MINIMUM OF 5 DAYS PRIOR TO RELOCATION. CONTRACTOR TO COORDINATE WITH METRO A MINIMUM OF 3 WEEKS IN ADVANCE TO SCHEDULE AN INSPECTION. SEE GENERAL NOTES SHEET 2.
 - CONSTRUCT PEDESTRIAN HANDRAIL PER CITY OF KIRKLAND STD PLAN CK-R.51 AND DETAIL D ON SHEET 4.
 - CONSTRUCT RETAINING WALL PER DETAIL D ON SHEET 4.

- LEGEND:**
- FULL DEPTH ROAD SECTION, SEE SHEET 4 FOR DETAILS
 - OVERLAY SECTION, SEE SHEET 4 FOR DETAILS
 - TRENCH RESTORATION, SEE CITY OF KIRKLAND STANDARD PLAN CK-R.13A
 - CEMENT CONC. SIDEWALK
 - CEMENT CONC. DRIVEWAY ENTRANCE TYPE COMMERCIAL/INDUSTRIAL
 - CRUSHED SURFACING BASE COURSE
 - RIGHT-OF-WAY
 - PROPERTY LINE
 - PERMANENT EASEMENT
 - TEMPORARY CONSTRUCTION EASEMENT
 - PEDESTRIAN HANDRAIL

BID SET



CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

D. Suslikov

DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE

C. DUBOW 7/2021
DRAWN BY: DATE

D. SCHNEIDER 7/2021
CHECKED BY: DATE



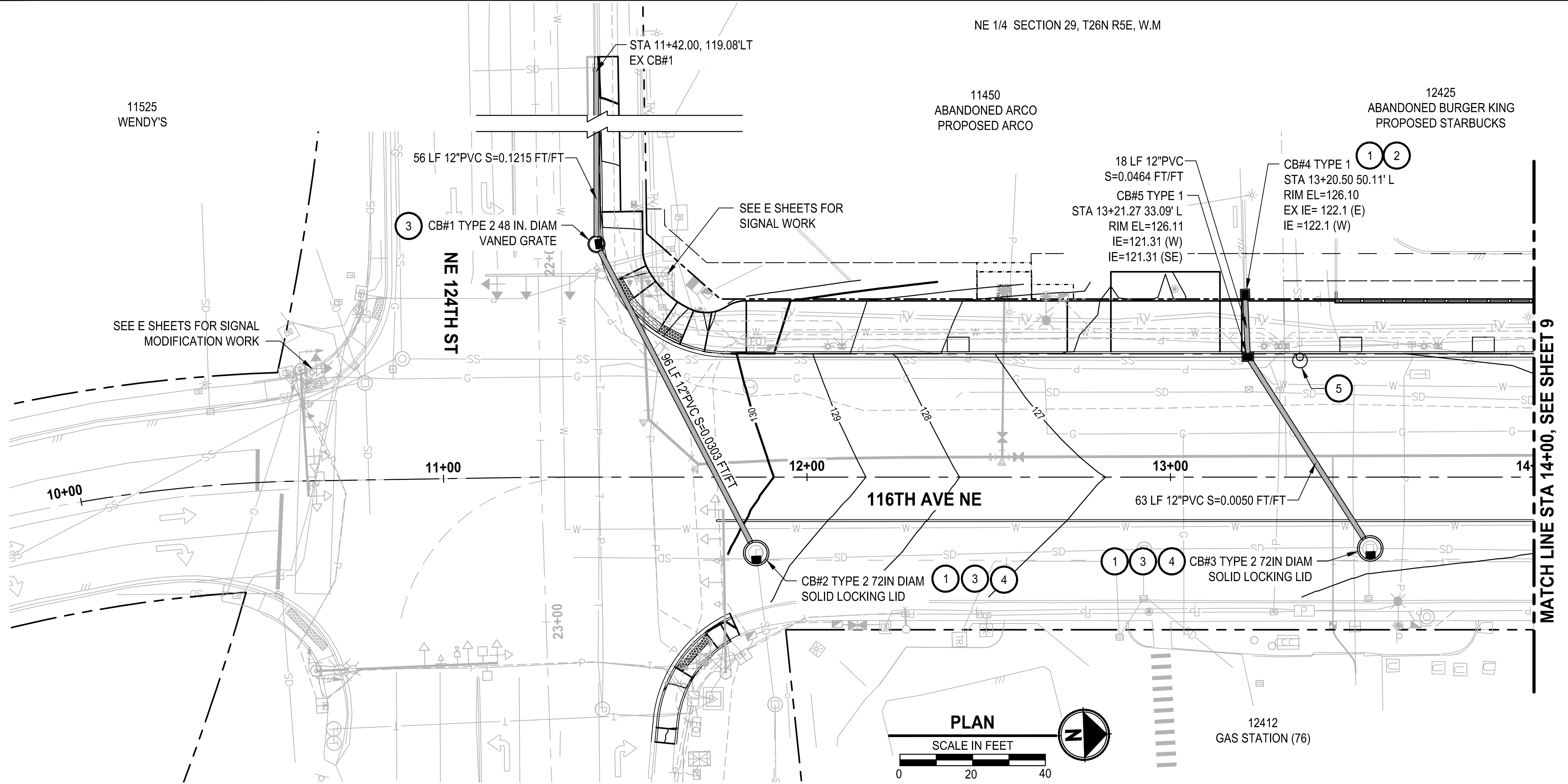
ROADWAY PLAN AND PROFILE

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS

CITY OF KIRKLAND, WA

SHEET:	7 OF 35
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	

FILE: P:\1802047SD-01 CITY OF KIRKLAND\1802-CityOfKirkland\214-1802-047 NE124ST 116thAveNE\985ves\CA00\DWG PLOTTED BY: wvassey DATE: Tuesday, September 28, 2021 9:56:33 AM

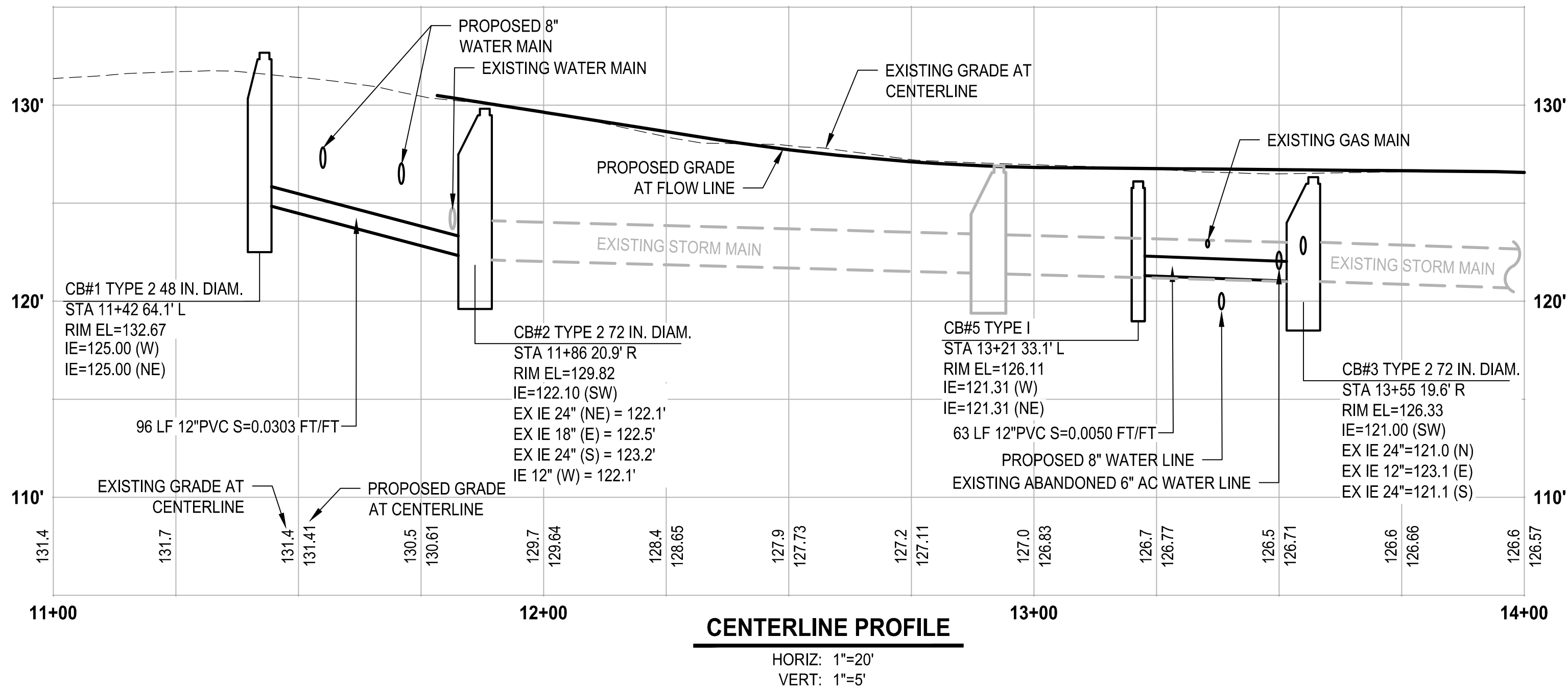


- GENERAL NOTES:**
- UTILITY LOCATION PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO ALL OTHER WORK. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
 - ADJUST ALL EXISTING UTILITY ACCESS TO FINISHED GRADE.
 - ALL CONNECTIONS TO STRUCTURES SHALL USE SAND COLLARS WITH NON-SHRINK GROUT (NO JET SET ALLOWED).
 - ALL PVC PIPE SHALL BE PVC 3034 OR C900/C905 PER COK

- STORM CONSTRUCTION NOTES:**
- CONNECTION TO DRAINAGE STRUCTURE.
 - CATCH BASIN TYPE 1 PER COK PLAN NO CK-D.07 WITH VANED GRATE PER COK PLAN NO. CK-D.14
 - CATCH BASIN TYPE 2 PER COK PLAN NO CK-D.09.
 - REPLACE STORM DRAIN MANHOLE LID PER COK PLAN NO CK-D18A.

- SEWER CONSTRUCTION NOTES:**
- REHABILITATE EXISTING MANHOLE AND INSTALL CURB COVER. SEE DETAIL 1 ON STORM AND SEWER DETAILS AND MANHOLE RESTORATION NOTES BELOW.

SEWER MANHOLE RESTORATION NOTES:
EXISTING CONDITION: THE MANHOLE CONSISTS OF TWO FRAMES, STACKED, AND A COVER.
PROPOSED: REMOVE AND DISPOSE OF EXISTING FRAMES AND COVER, PROVIDE AND INSTALL NEW FRAME, COVER ADJUSTING RINGS AND CURB COVER IN ACCORDANCE WITH NUD STANDARD SEWER DETAILS 1 AND 5, AND CURB COVER DETAILS, SHEET 10.

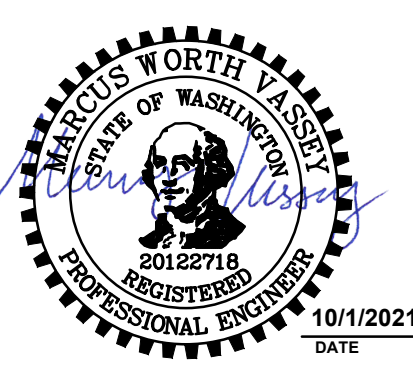


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CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M...
DATE: 10/5/2021

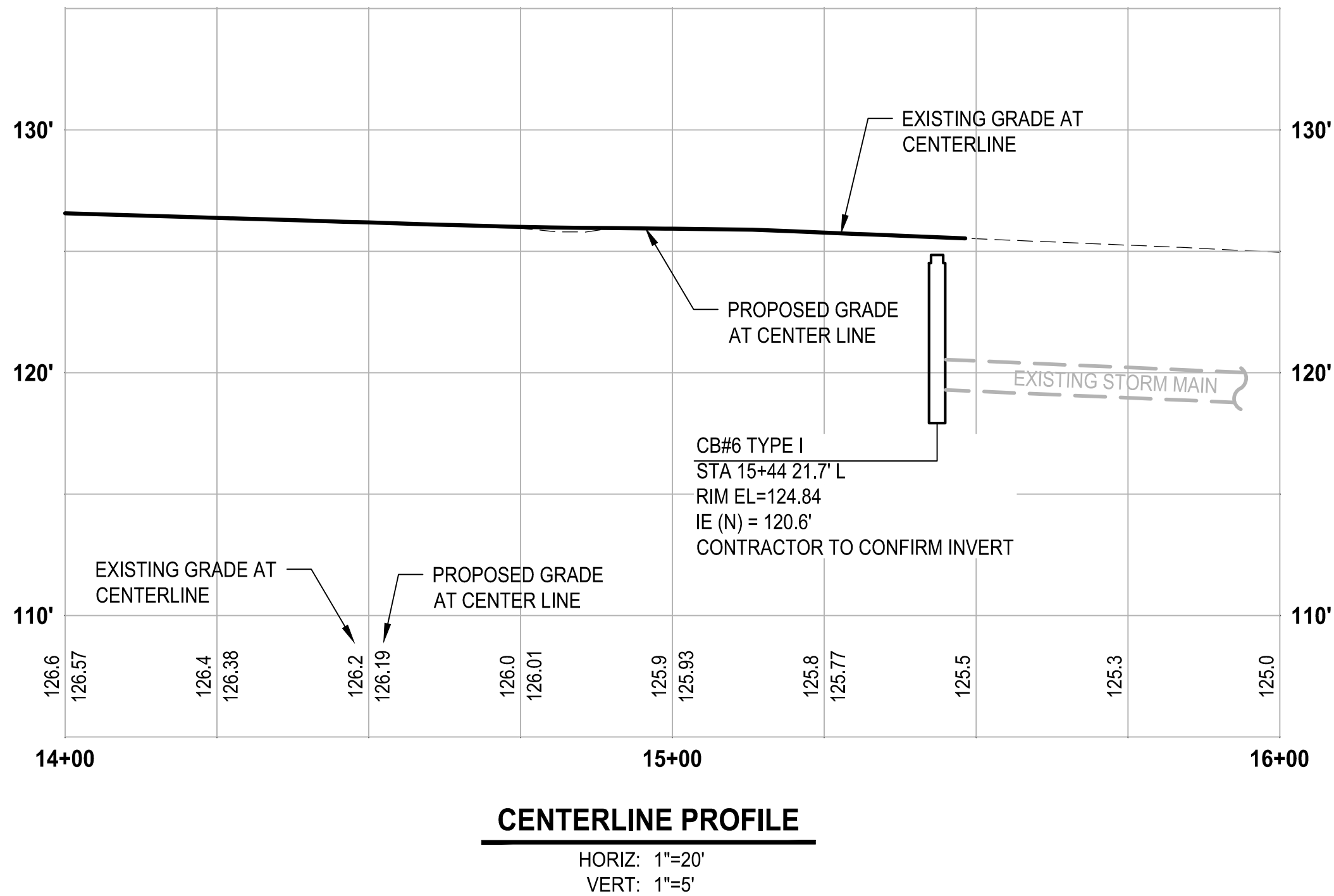
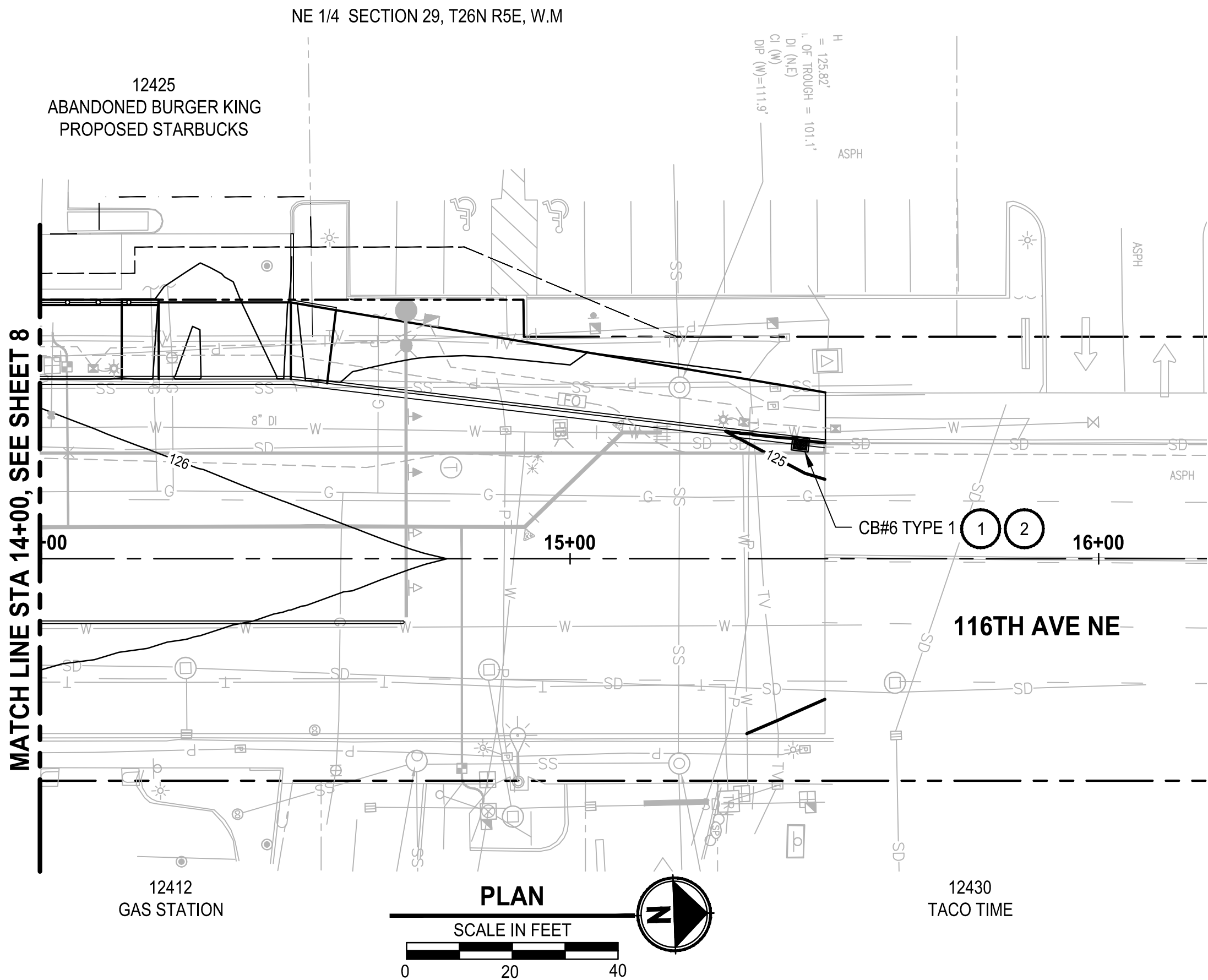
M. VASSEY 7/2021
DESIGNED BY: DATE
M. VASSEY 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

STORM AND SEWER PLAN AND PROFILE

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA
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SHEET: 8 OF 35
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: PS1802047SD-01 LAYOUT: SD2 PATH: U:\PSD\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE\24St_116AveNE\99S\cs\CADD\DWG PLOTTED BY: vassemar DATE: Tuesday, September 28, 2021 9:58:40 AM



GENERAL NOTES:

1. UTILITY LOCATION PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO ALL OTHER WORK. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
2. ADJUST ALL EXISTING UTILITY ACCESS TO FINISHED GRADE.
3. ALL CONNECTIONS TO STRUCTURES SHALL USE SAND COLLARS WITH NON-SHRINK GROUT (NO JET SET ALLOWED).
4. ALL PVC PIPE SHALL BE PVC 3034 OR C900/C905 PER COK

STORM CONSTRUCTION NOTES:

- 1 CONNECTION TO DRAINAGE STRUCTURE.
- 2 CATCH BASIN TYPE 1 PER COK PLAN NO CK-D.07 WITH VANED GRATE PER COK PLAN NO. CK-D.14
- 3 CATCH BASIN TYPE 2 PER COK PLAN NO CK-D.09.
- 4 REPLACE STORM DRAIN MANHOLE LID PER COK PLAN NO CK-D18A.

SEWER CONSTRUCTION NOTES:

- 5 REHABILITATE EXISTING MANHOLE AND INSTALL CURB COVER. SEE DETAIL 1 ON STORM AND SEWER DETAILS AND MANHOLE RESTORATION NOTES BELOW.

SEWER MANHOLE RESTORATION NOTES:

EXISTING CONDITION: THE MANHOLE CONSISTS OF TWO FRAMES, STACKED, AND A COVER.

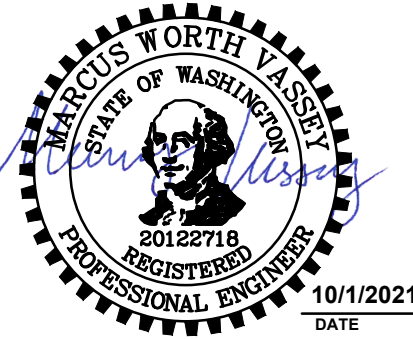
PROPOSED: REMOVE AND DISPOSE OF EXISTING FRAMES AND COVER, PROVIDE AND INSTALL NEW FRAME, COVER ADJUSTING RINGS AND CURB COVER IN ACCORDANCE WITH NUD STANDARD SEWER DETAILS 1 AND 5, AND CURB COVER DETAILS, SHEET 10.

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M. Vasey
DATE: 10/5/2021

M. VASSEY 7/2021
DESIGNED BY: DATE
M. VASSEY 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

STORM AND SEWER PLAN AND PROFILE

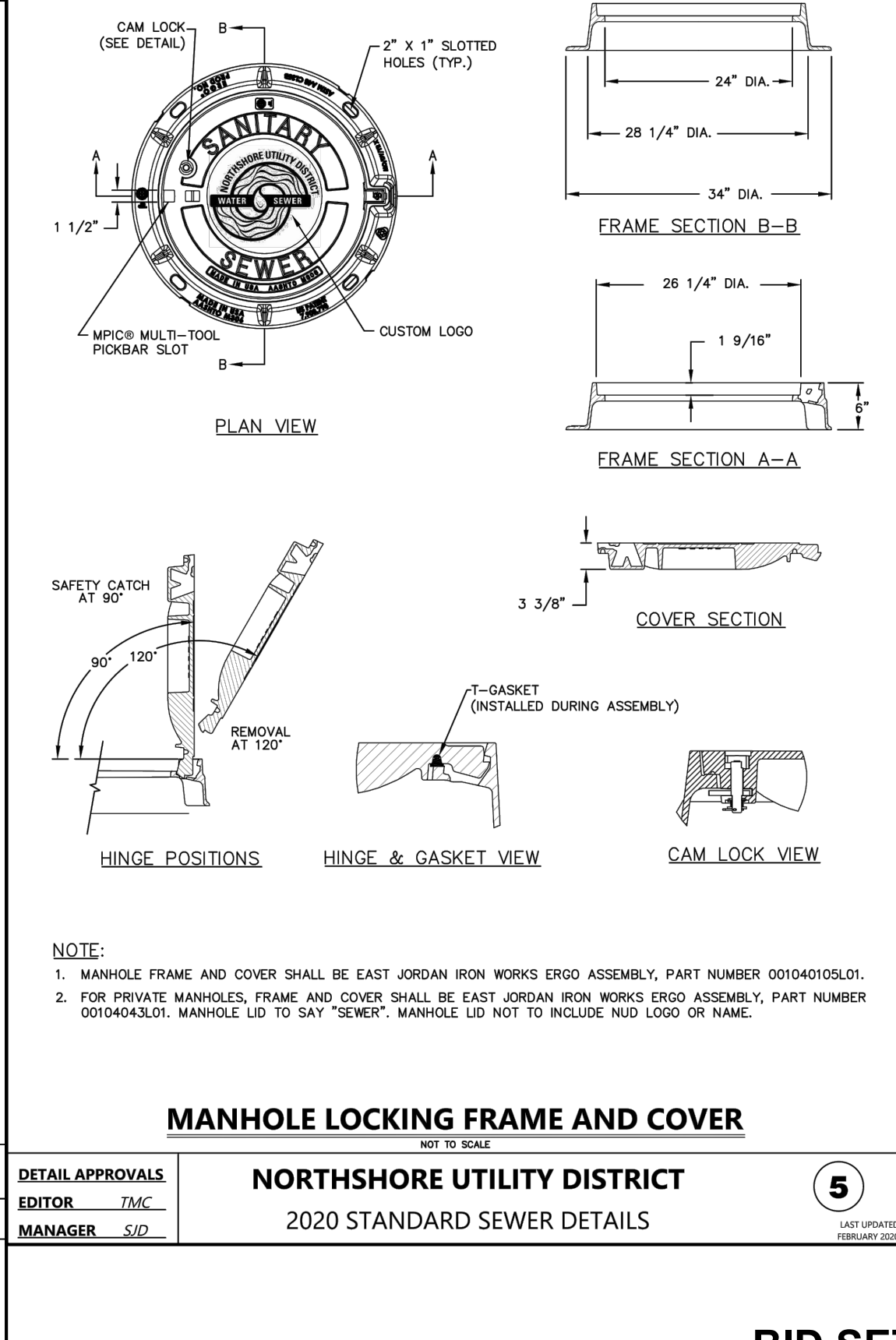
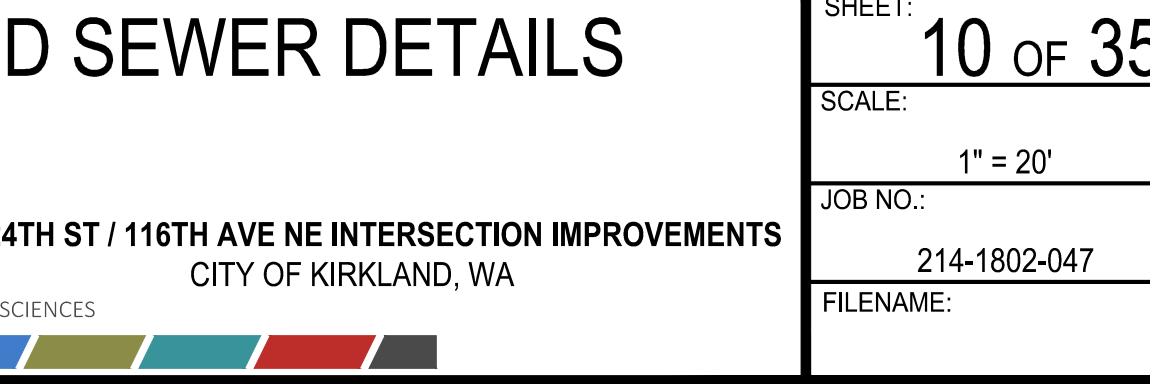
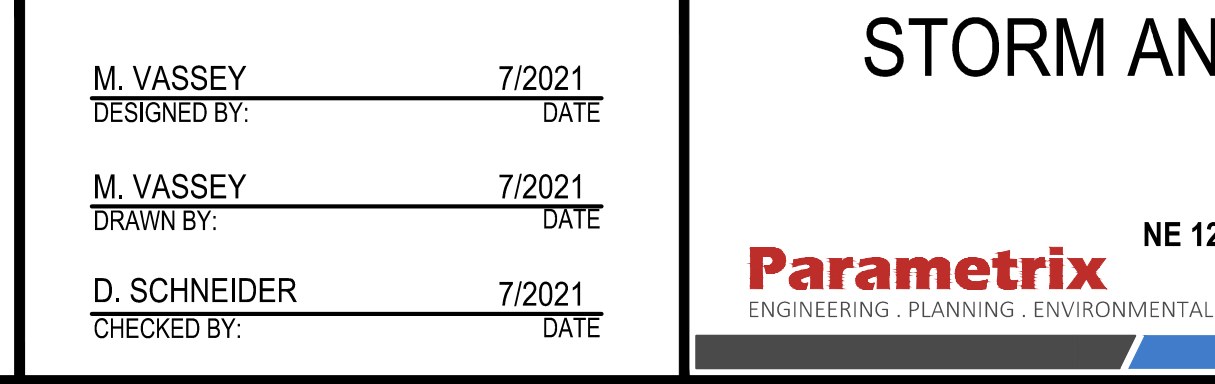
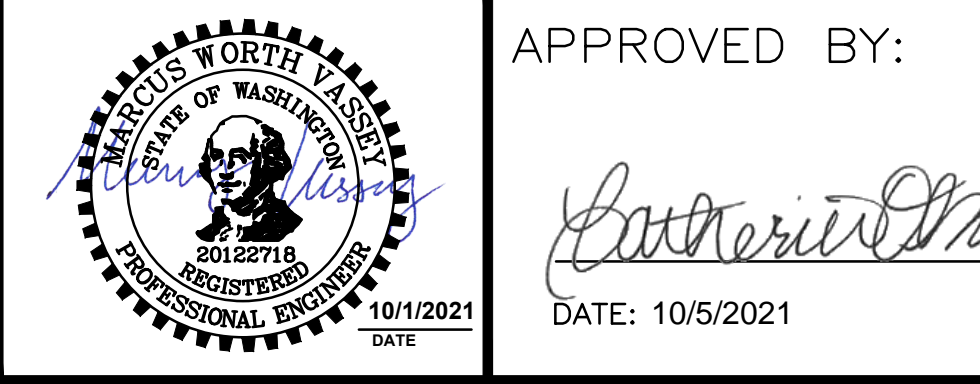
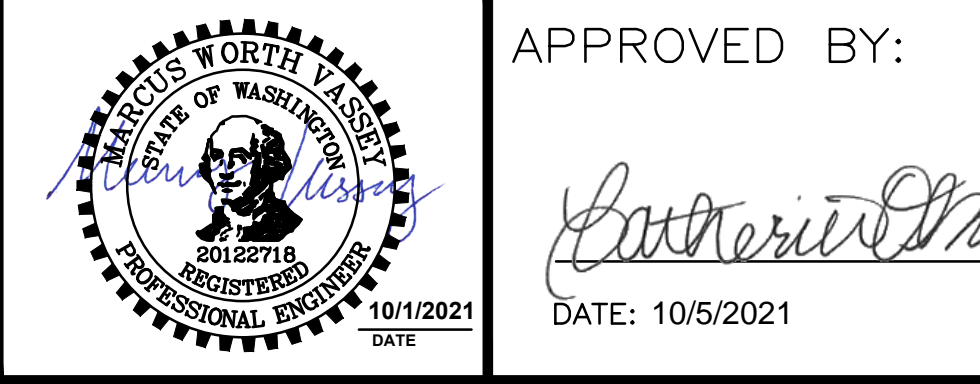
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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET: 9 OF 35
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

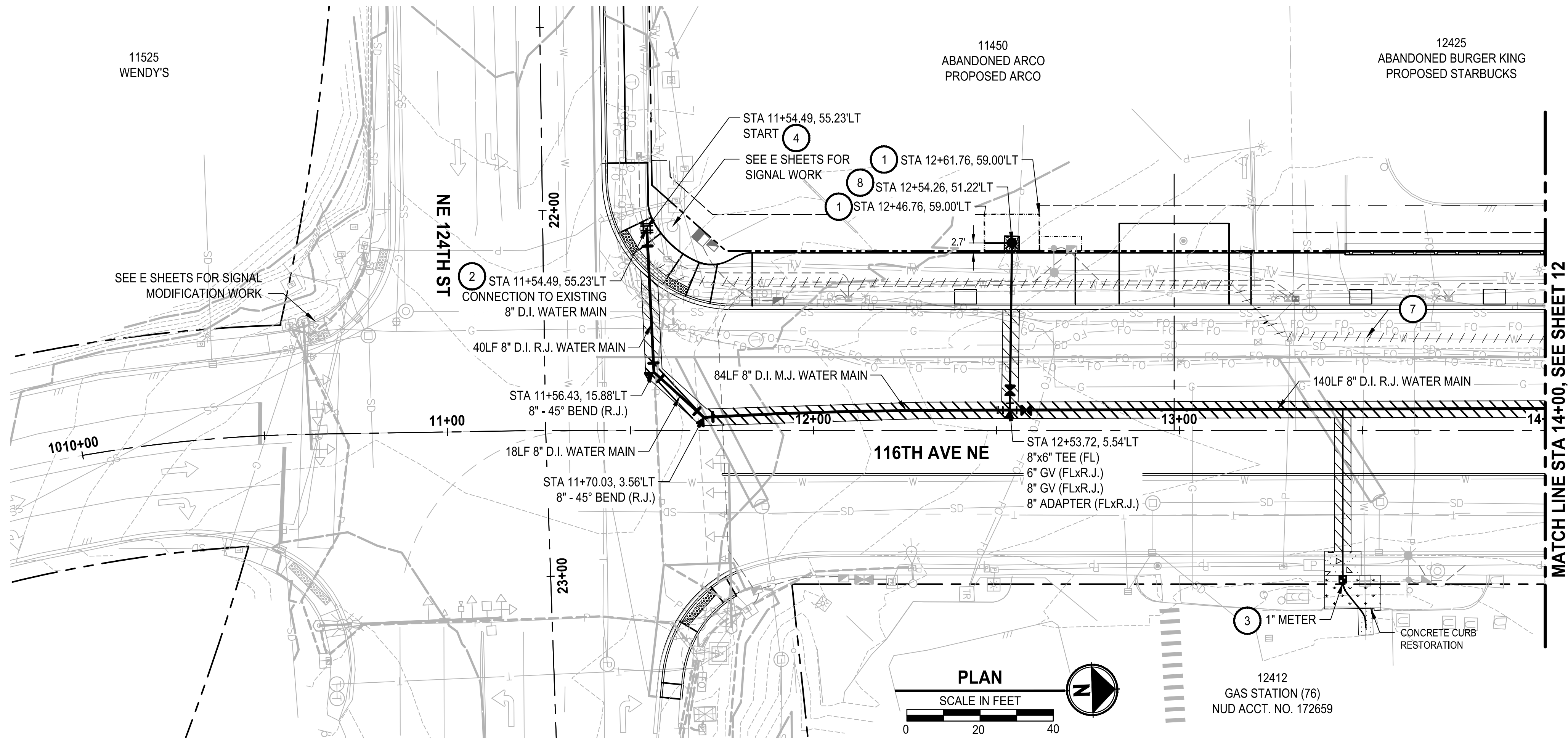


NO.	DATE	BY	APPR.	REVISION



FILE: PS180204TUT-01 LAYOUT: NUD1 PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th St - 116th Ave\995.dwg (CADD) DWG PLOTTED BY: vasssey DATE: Tuesday, September 28, 2021 9:57:35 AM

NE 1/4 SECTION 29, T26N R5E, W.M



GENERAL NOTES:

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- ADJUST ALL EXISTING UTILITIES TO FINISHED GRADE.

WATER CONSTRUCTION NOTES:

- FIRE HYDRANT EASEMENT
- LOCATE AND CONNECT TO EXISTING 8" D.I. WATER MAIN. REMOVE AND DISPOSE OF EXISTING 8" PIPE AS REQUIRED. INSTALL 1-8" D.I. RESTRAINED JOINT SLEEVE AND 1-8" D.I. NIPPLE LENGTH TO FIT.
- REPLACE EXISTING 1" WATER SERVICE PER NUD STANDARD WATER DETAIL NO. 4. AND NO. 9. LOCATE AND RECONNECT EXISTING SERVICE LINE BEHIND METER PER NUD STANDARD WATER DETAIL NO. 9. SALVAGE EXISTING METER AND DELIVER TO THE DISTRICT FOR REINSTATEMENT INTO NEW SETTER. REMOVE AND DISPOSE OF EXISTING METER SETTER, METER BOX AND MISCELLANEOUS FITTINGS.
- EXISTING 8" D.I. WATER MAIN TO BE ABANDONED, CAP EXISTING WATER MAIN WATERTIGHT PER THE SPECIFICATIONS.
- ABANDON EXISTING 2" WATER SERVICE AT EXISTING MAIN. CUT EXISTING PVC PIPE AT 2" VALVE. CLOSE VALVE, PLUG VALVE, AND REMOVE AND DISPOSE OF EXISTING VALVE BOX.
- INSTALL ETHAFOAM AT CROSSING LOCATION.
- ABANDON EXISTING 1" WATER SERVICE AT EXISTING MAIN. CUT EXISTING WATER SERVICE PIPE AT CORP STOP. CLOSE CORP STOP AND CAP EXISTING WATER SERVICE PIPE.
- INSTALL FIRE HYDRANT PER NUD STANDARD WATER DETAIL NO. 3

LEGEND:

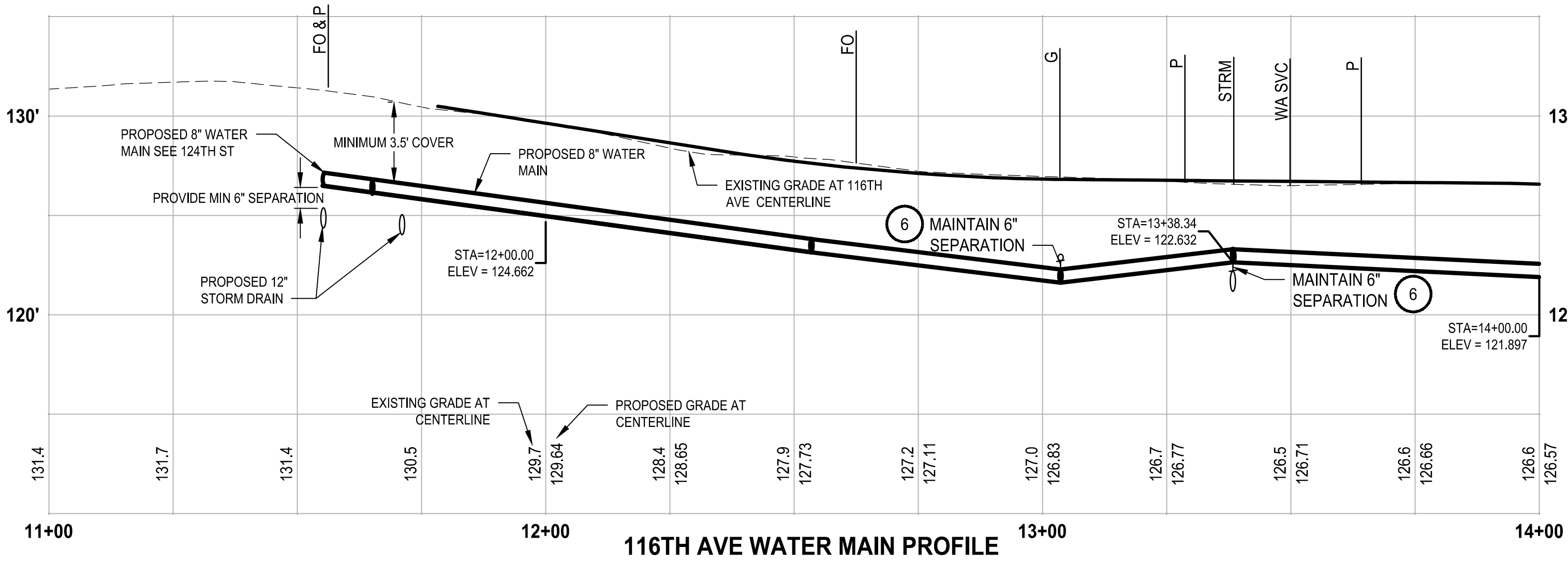
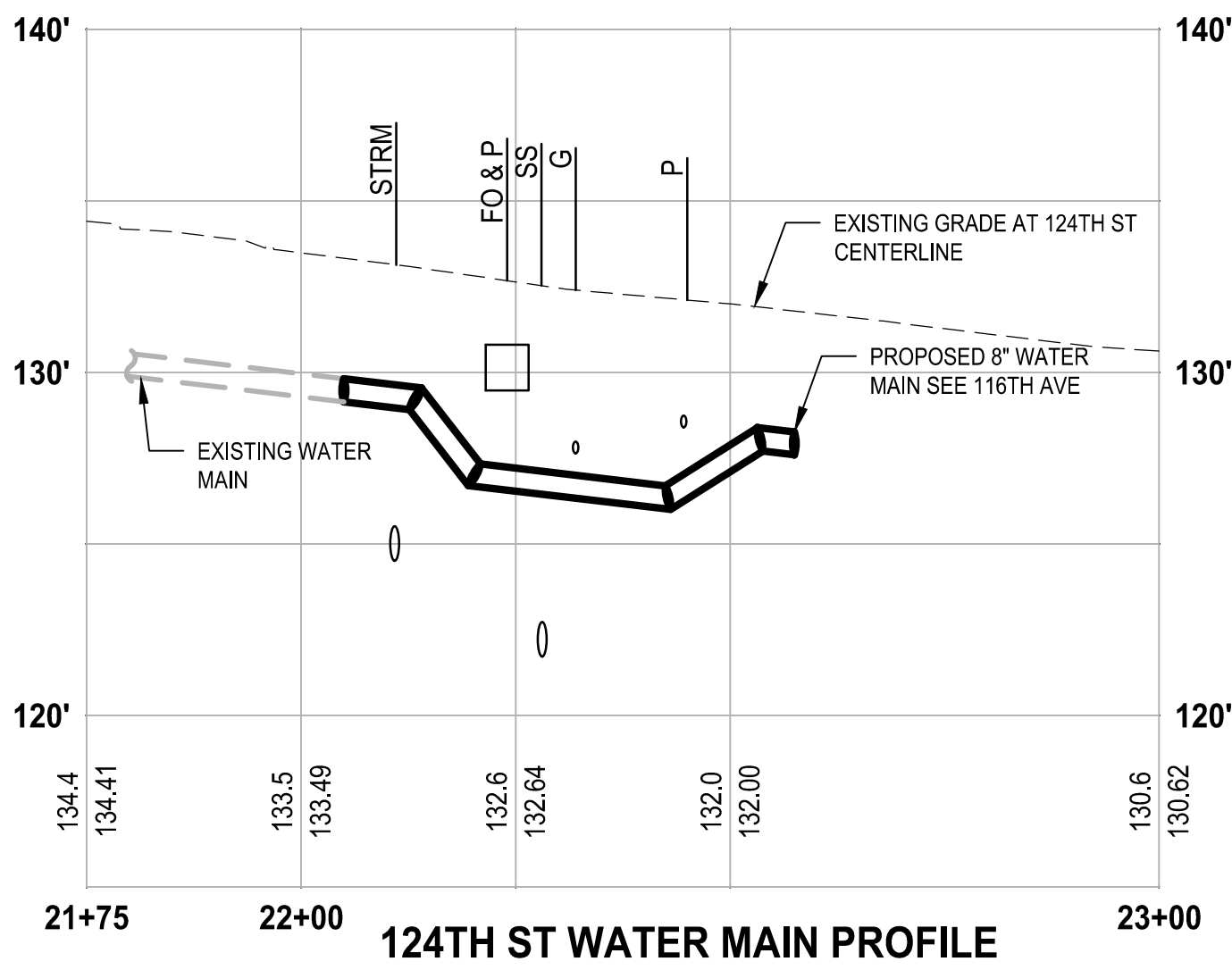
- 6" PERMANANT HMA CL. 1/2" PG 64-22 TRENCH PATCH SECTION PER COK DETAIL ON SHEET 10.
- 6" TEMPORARY HMA CL. 1/2" PG 64-22 TRENCH PATCH SECTION PER COK DETAIL ON SHEET 10.
- CONCRETE SIDEWALK AND CURB & GUTTER
- LANDSCAPE RESTORATION

PROFILE NOTE:

EXISTING PROFILE UTILITY CROSSINGS DEPTH TO BE VERIFIED. ALL UTILITY CROSSINGS SHOWN ARE SCHEMATIC.

ALL VERTICAL BENDS TO BE CONFIRMED IN THE FIELD OR AS DIRECTED BY THE ENGINEER.

BID SCHEDULE B WORK

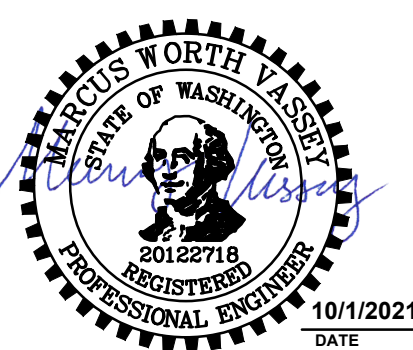


BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M...
DATE: 10/5/2021

M. VASSEY 7/2021
DESIGNED BY: DATE
M. VASSEY 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

NUD WATER MAIN REPLACEMENT

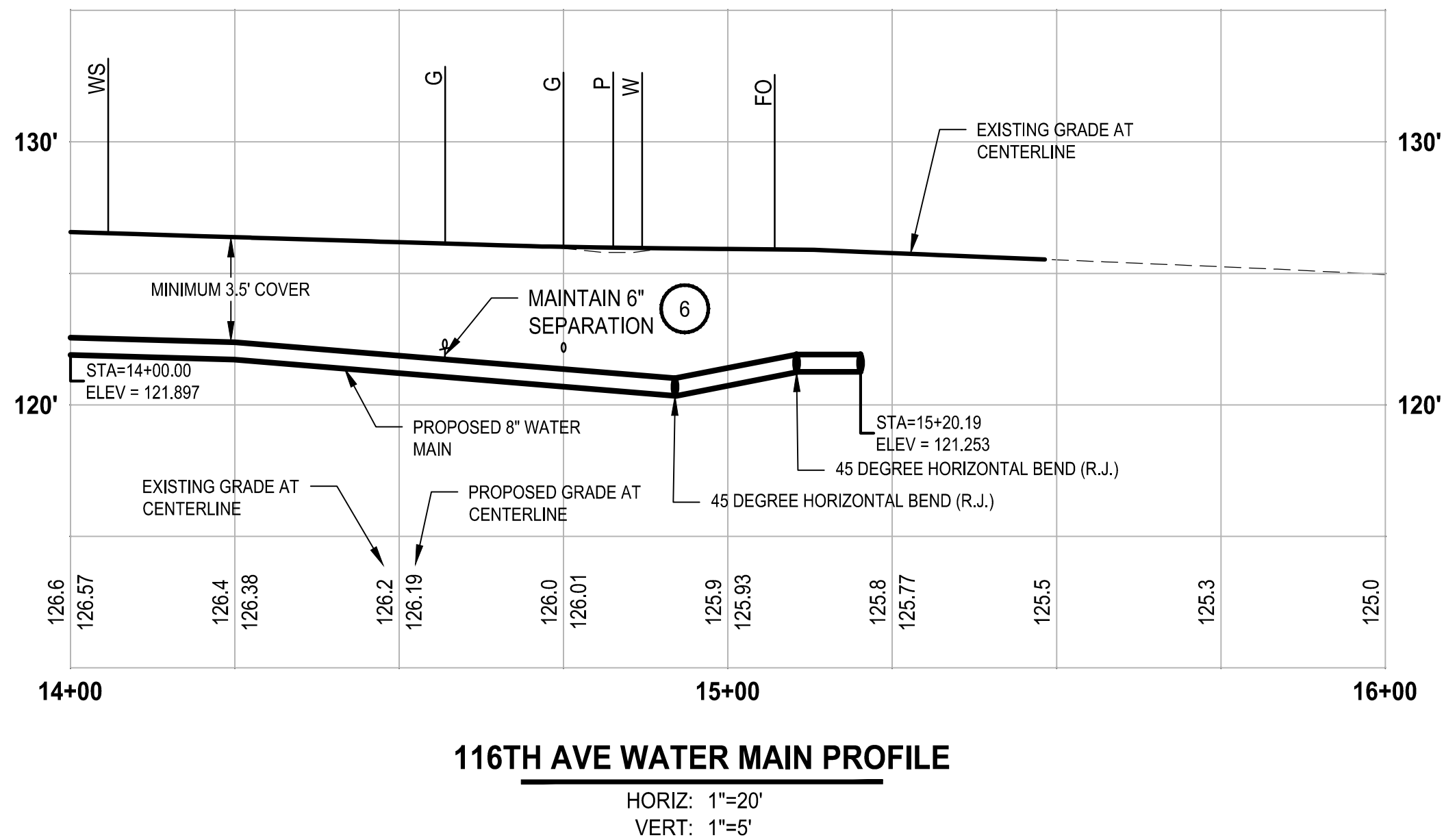
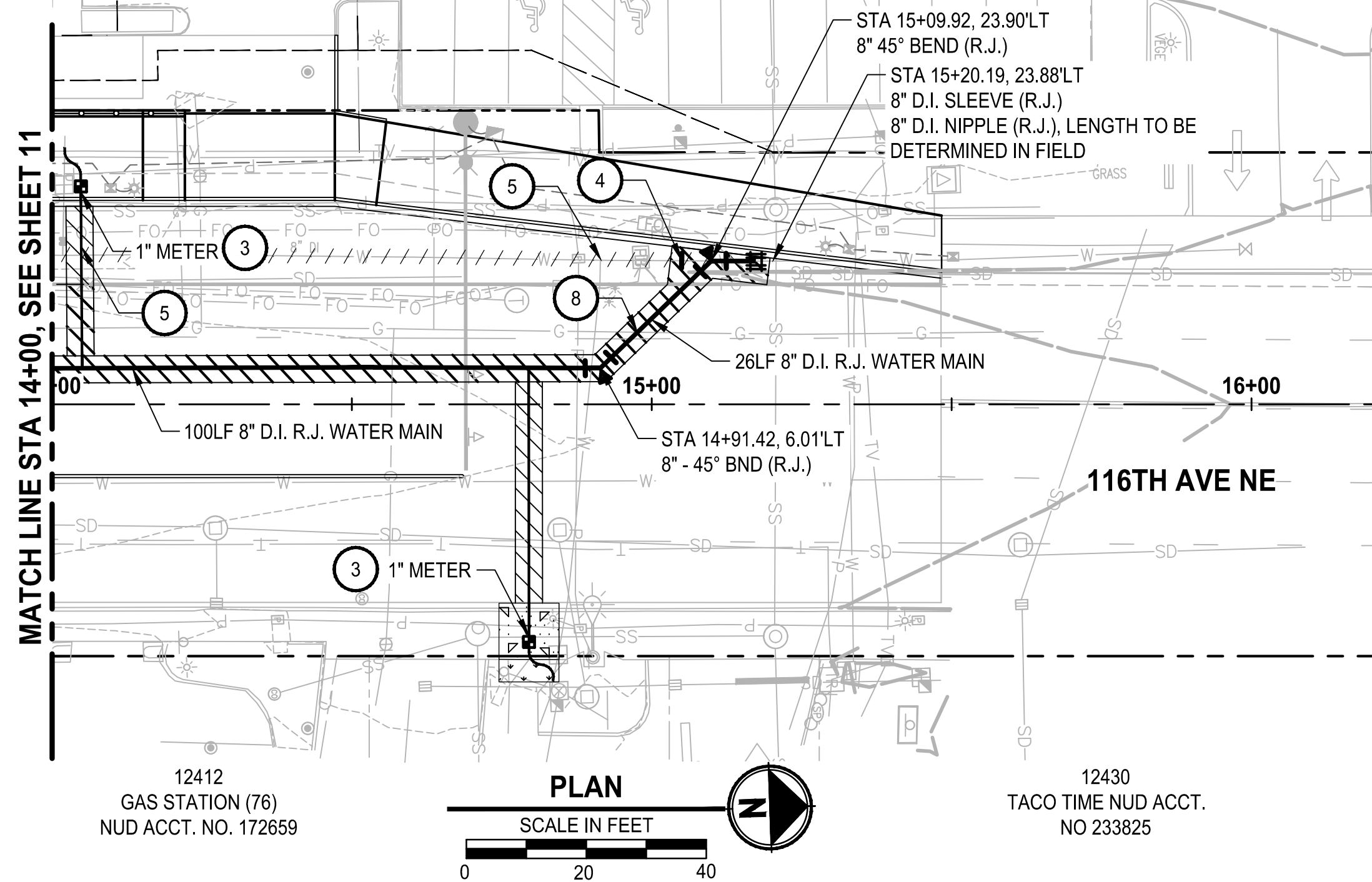
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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET:	11 OF 35
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	

NE 1/4 SECTION 29, T26N R5E, W.M

12425
ABANDONED BURGER KING
PROPOSED STARBUCKS
NUD ACCT. NO. 241745



PROFILE NOTE:
EXISTING PROFILE UTILITY CROSSINGS
DEPTH TO BE VERIFIED. ALL UTILITY
CROSSINGS SHOWN ARE SCHEMATIC.

ALL VERTICAL BENDS TO BE CONFIRMED IN
THE FIELD OR AS DIRECTED BY THE
ENGINEER.

GENERAL NOTES:

1. UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
2. ADJUST ALL EXISTING UTILITIES TO FINISHED GRADE.

WATER CONSTRUCTION NOTES:

- 1 FIRE HYDRANT EASEMENT
- 2 LOCATE AND CONNECT TO EXISTING 8" D.I. WATER MAIN. REMOVE AND DISPOSE OF EXISTING 8" PIPE AS REQUIRED. INSTALL 1-8" D.I. RESTRAINED JOINT SLEEVE AND 1-8" D.I. NIPPLE LENGTH TO FIT.
- 3 REPLACE EXISTING 1" WATER SERVICE PER NUD STANDARD WATER DETAIL NO. 4. AND NO. 9. LOCATE AND RECONNECT EXISTING SERVICE LINE BEHIND METER PER NUD STANDARD WATER DETAIL NO. 9. SALVAGE EXISTING METER AND DELIVER TO THE DISTRICT FOR REINSTATEMENT INTO NEW SETTER. REMOVE AND DISPOSE OF EXISTING METER SETTER, METER BOX AND MISCELLANEOUS FITTINGS.
- 4 EXISTING 8" D.I. WATER MAIN TO BE ABANDONED, CAP EXISTING WATER MAIN WATERTIGHT PER THE SPECIFICATIONS.
- 5 ABANDON EXISTING 2" WATER SERVICE AT EXISTING MAIN. CUT EXISTING PVC PIPE AT 2" VALVE, CLOSE VALVE, PLUG VALVE, AND REMOVE AND DISPOSE OF EXISTING VALVE BOX.
- 6 INSTALL ETHAFOAM AT CROSSING LOCATION.
- 7 ABANDON EXISTING 1" WATER SERVICE AT EXISTING MAIN. CUT EXISTING WATER SERVICE PIPE AT CORP STOP. CLOSE CORP STOP AND CAP EXISTING WATER SERVICE PIPE.
- 8 INSTALL FIRE HYDRANT PER NUD STANDARD WATER DETAIL NO. 3

LEGEND:

- 6" PERMANANT HMA CL. 1/2" PG 64-22 TRENCH PATCH SECTION PER COK DETAIL ON SHEET 10.
- 6" TEMPORARY HMA CL. 1/2" PG 64-22 TRENCH PATCH SECTION PER COK DETAIL ON SHEET 10.
- CONCRETE SIDEWALK AND CURB & GUTTER
- LANDSCAPE RESTORATION

BID SCHEDULE B WORK

BID SET

SHEET: 12 OF 35

SCALE: 1" = 20'

JOB NO.: 214-1802-047

FILENAME:

NUD WATER MAIN REPLACEMENT

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

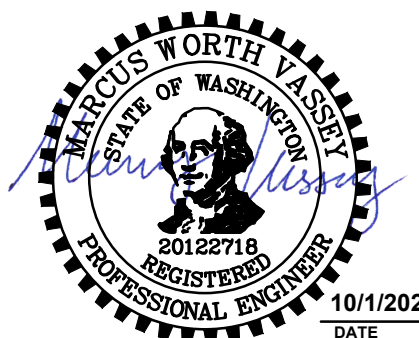
M. VASSEY 7/2021
DESIGNED BY: DATE

M. VASSEY 7/2021
DRAWN BY: DATE

D. SCHNEIDER 7/2021
CHECKED BY: DATE

APPROVED BY:

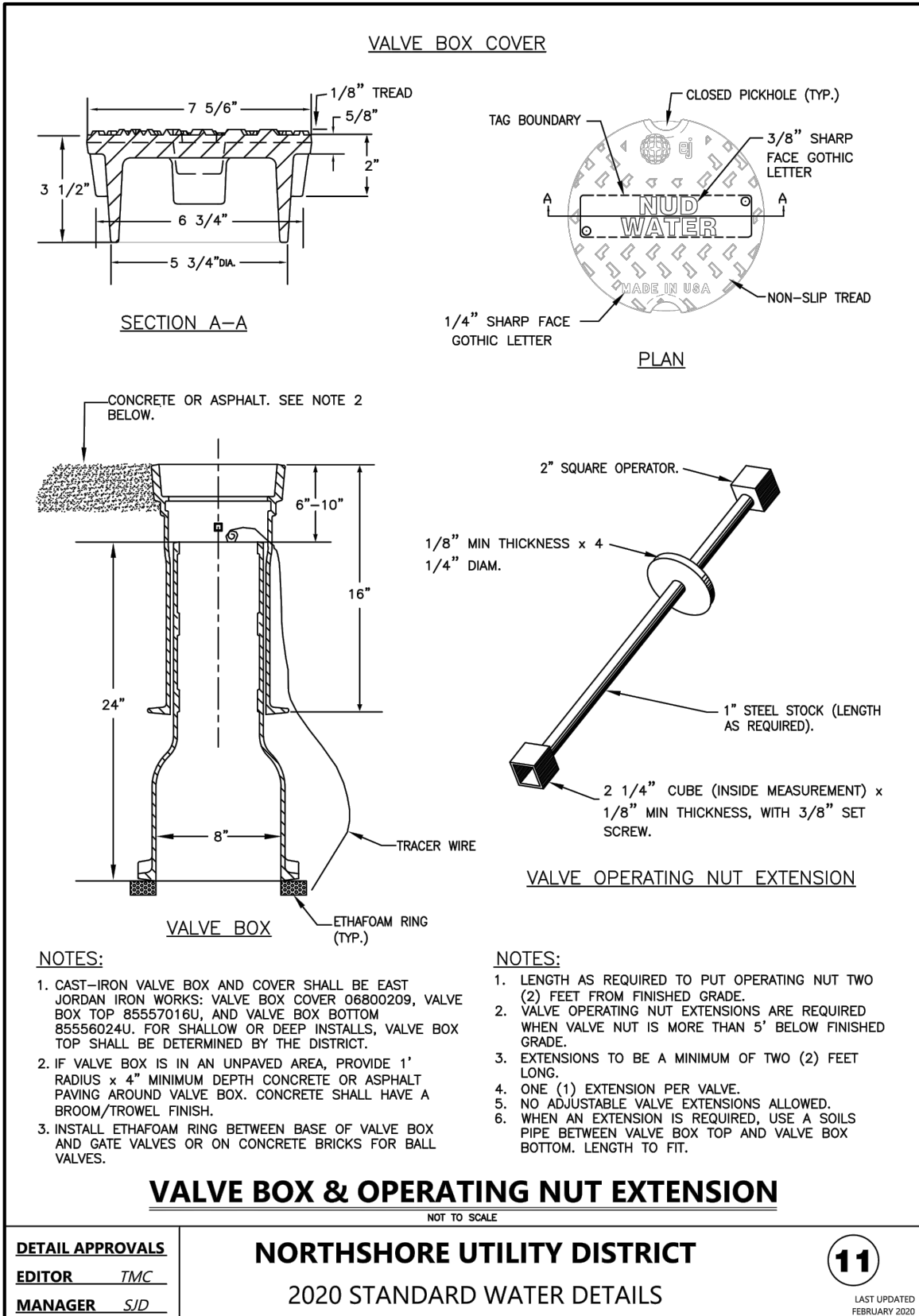
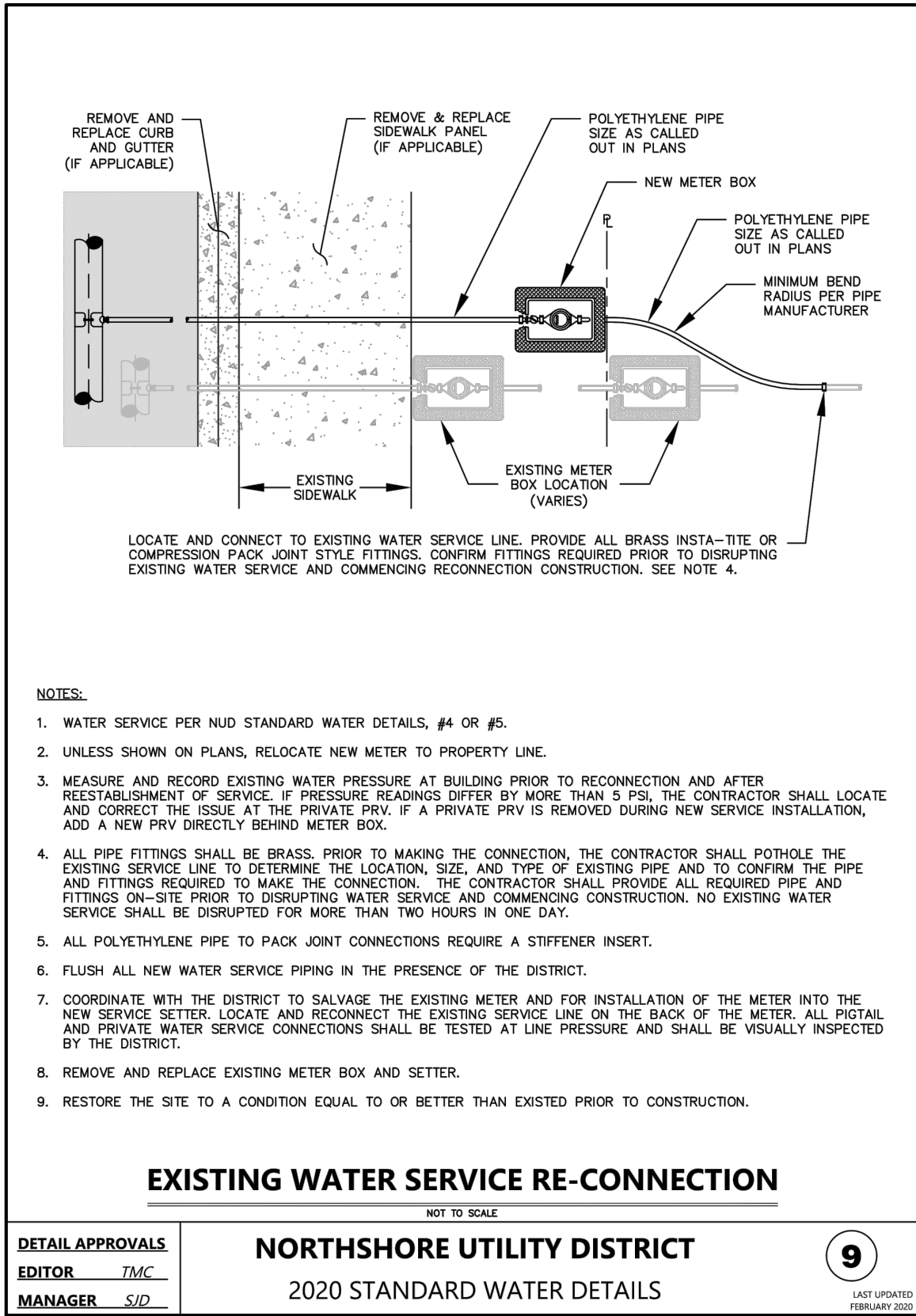
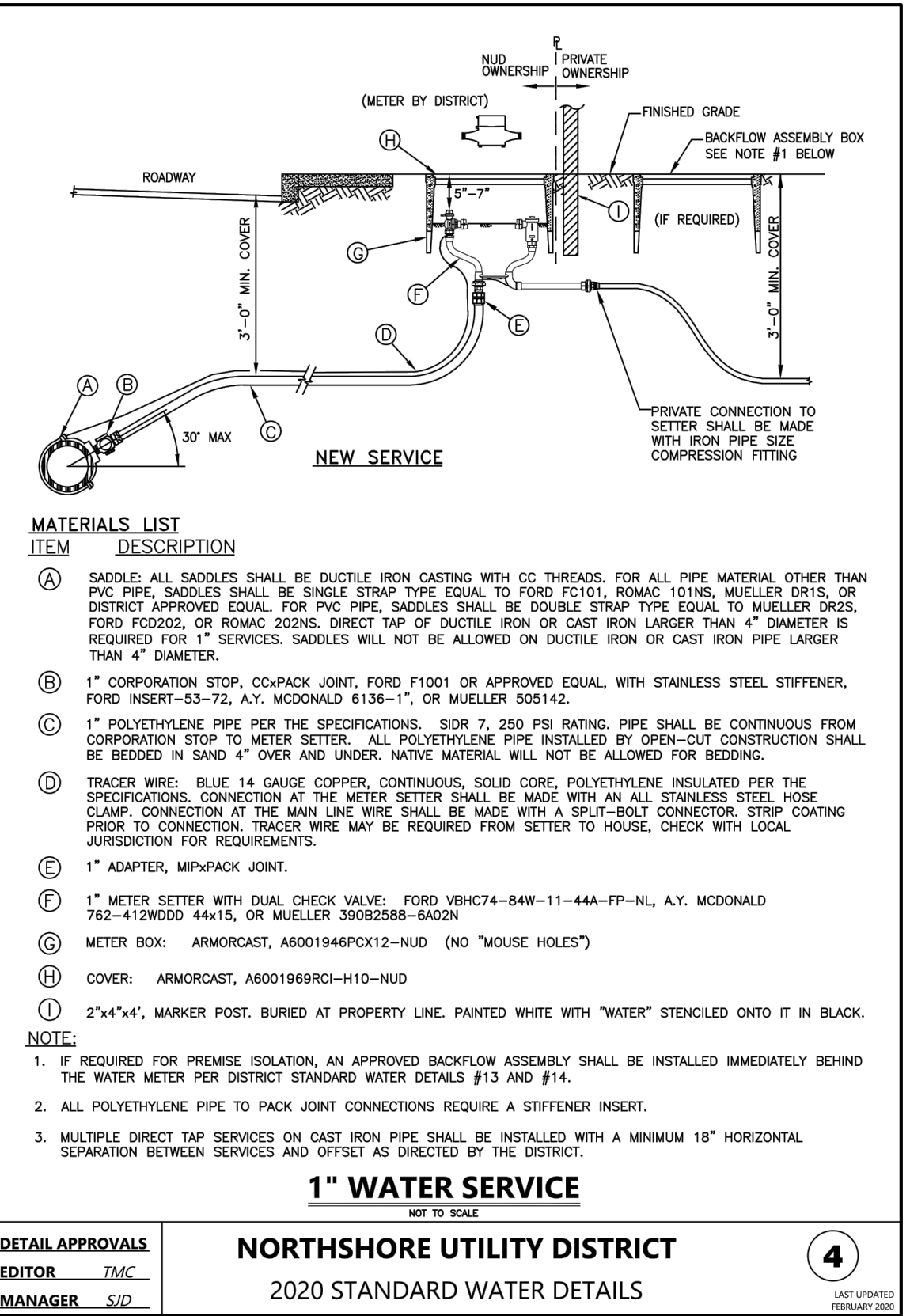
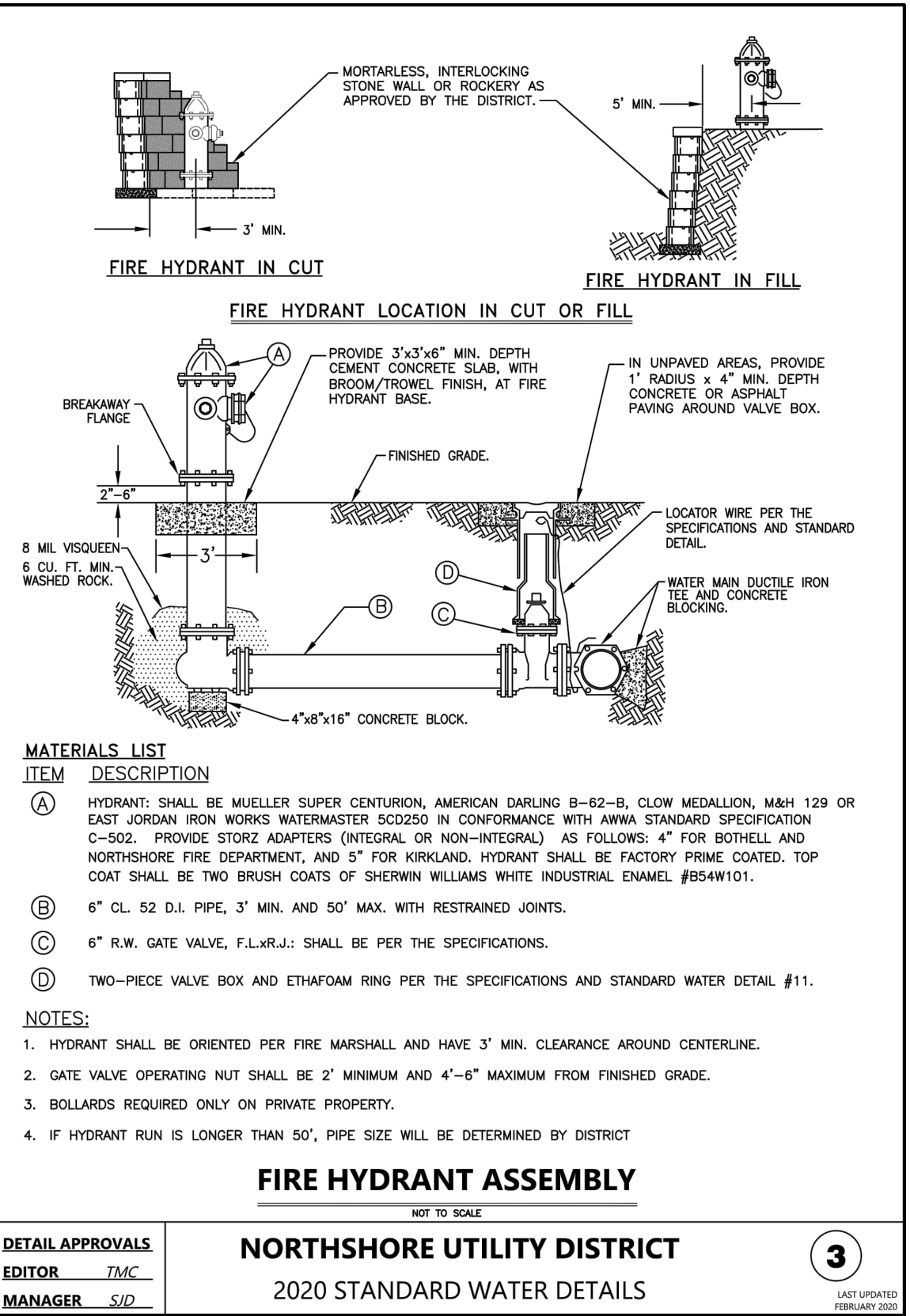
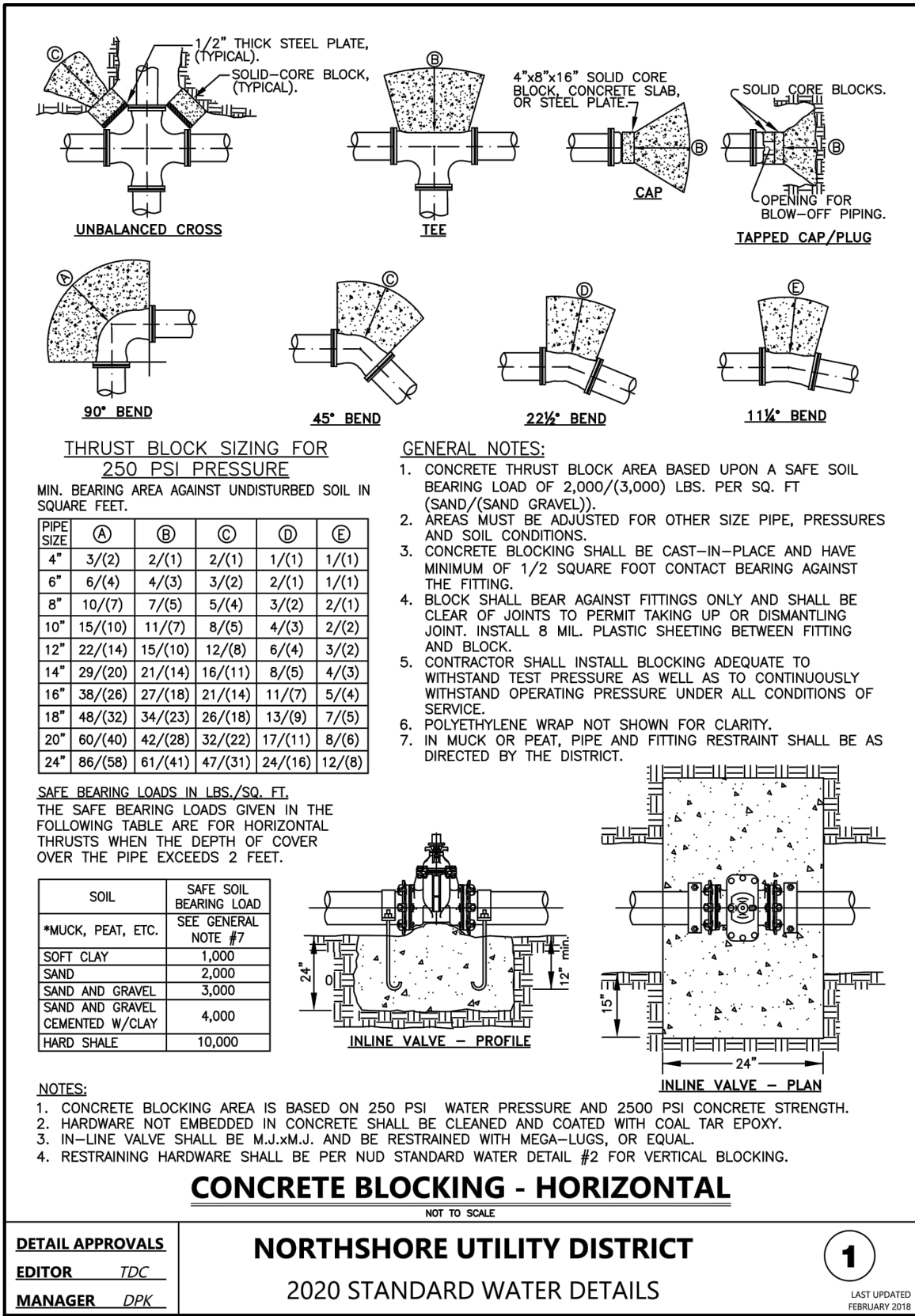
DATE: 10/5/2021



NO.	DATE	BY	APPR.	REVISION

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DEPARTMENT OF PUBLIC WORKS
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NORTHSHORE UTILITY DISTRICT WATER GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE NORTHSHORE UTILITY DISTRICT STANDARD SPECIFICATIONS AND STANDARD DETAILS.
- ALL WATER MAIN PIPING SHALL BE DUCTILE-IRON MINIMUM THICKNESS CLASS 52, CEMENT-MORTAR LINED, U.S. PIPE TR FLEX OR PUSH-ON JOINT PIPE, RESTRAINED WITH U.S. PIPE TR FLEX OR U.S. PIPE FILED LOK GASKETS, OR EQUAL. ALL WATER MAIN PIPING TO MEET THE REQUIREMENTS OF AWWA C-151.
- ALL WATER MAIN FITTINGS SHALL BE CEMENT MORTAR LINED AND MEET THE REQUIREMENTS OF AWWA C-152. ALL MECHANICAL JOINT FITTINGS SHALL BE RESTRAINED WITH EBAA IRON, INC. MEGA-LUG MECHANICAL JOINT RESTRAINTS, OR EQUAL.
- POLYETHYLENE ENCASEMENT TO MEET THE AWWA STANDARD C-105. ANY TEARS OR OPENINGS MADE FOR SERVICES OR TAPS SHALL BE REPAIRED WITH AN ADHESIVE TAPE.
- ALL WATER MAIN PIPES, CONTINUOUS, SOLID CORE, NEOPRENE COATED LOCATING WIRE. ANY CONNECTIONS OR SPLICES SHALL BE MADE WITH SPLIT-BOLT WIRE CONNECTORS.

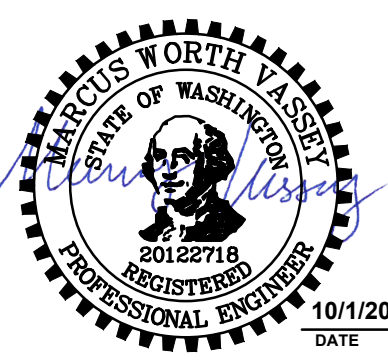
BID SCHEDULE B WORK

BID SET



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DEPARTMENT OF PUBLIC WORKS
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(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M. Vassey
DATE: 10/5/2021

M. VASSEY 7/2021
DESIGNED BY: DATE
M. VASSEY 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

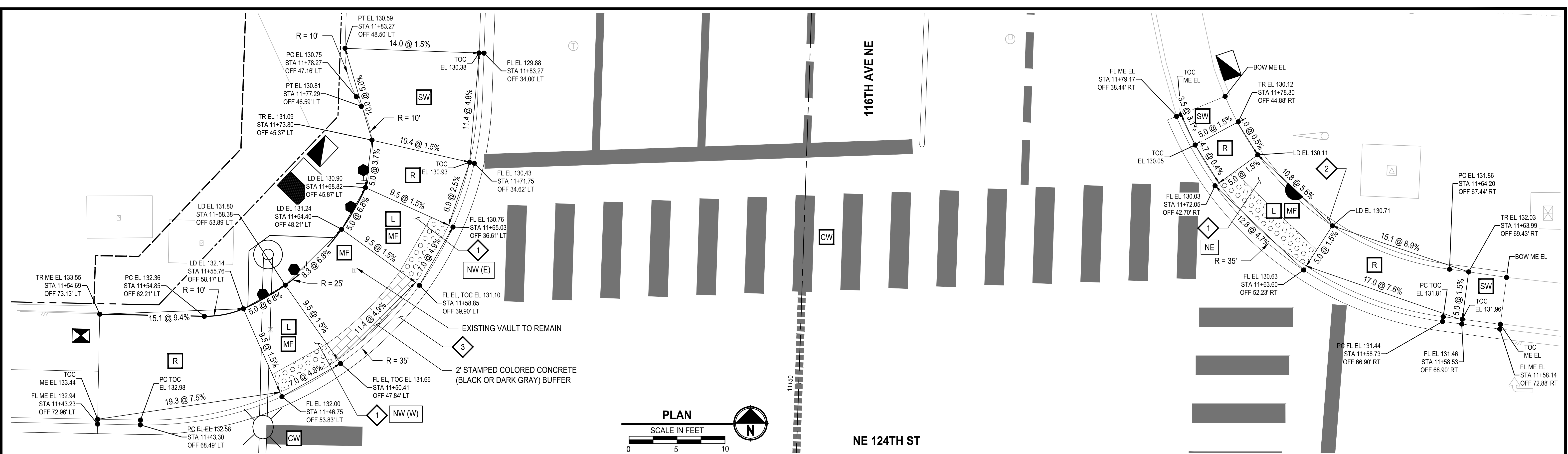
NUD WATER DETAILS

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET: 13 OF 35
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: PS1802047GR-01 LAYOUT: GRI PATH: U:\PSD\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE 124TH ST 116TH AVE NE\SS\es\CAADD\DWG DATE: Friday, September 24, 2021 2:01:58 PM PLOTTED BY: DubowGa



GENERAL NOTES:

- ELEVATIONS AS SHOWN ARE BASED ON SURVEY DATA. CONTRACTOR SHALL FIELD ADJUST RAMP AND SIDEWALK ELEVATIONS AS NECESSARY TO MEET STANDARD PLAN SLOPE REQUIREMENTS IF FIELD ELEVATIONS DO NOT MATCH THOSE SHOWN ON PLANS.
- RADIUS CALLOUTS ARE TO FACE OF CURB.
- RAMP GRADING POINTS REPRESENT ONE METHOD OF MEETING REFERENCED STANDARD PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO ENSURE RAMPS MEET ALL ADA REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE SURVEY STAKING TO THE LEVEL OF SURVEY ACCURACY NECESSARY TO SUPPORT THE CONSTRUCTION OF SIDEWALK, CURBS, CURB RAMPS AND RELATED PROJECT ELEMENTS. TRADITIONAL SURVEY AND STAKING METHODS SHALL BE SUPPLEMENTED IN THE FIELD BY THE CONTRACTOR THROUGH THE USE OF A CONTRACTOR-SUPPLIED, CALIBRATED, 4-FOOT-LONG "SMART" LEVEL TO DIGITALLY MEASURE SLOPES.
- EXISTING AND PROPOSED SIGNAL POLES, STORM STRUCTURES AND UTILITY STRUCTURES ARE SHOWN FOR REFERENCE.
- METRO BUS PASSENGER FACILITIES TO BE DESIGNED AND CONSTRUCTED PER METRO STANDARD PLAN D103.

GRADING NOTES:

EACH SIDEWALK AND CURB RAMP ELEMENT SHALL MEET APPLICABLE CROSS SLOPE, RUNNING SLOPE, AND MINIMUM DIMENSIONS NOTED IN REFERENCED STANDARD PLAN. ELEMENTS NOTED ON PLANS ARE FOR REFERENCE ONLY.

ADA ELEMENT:

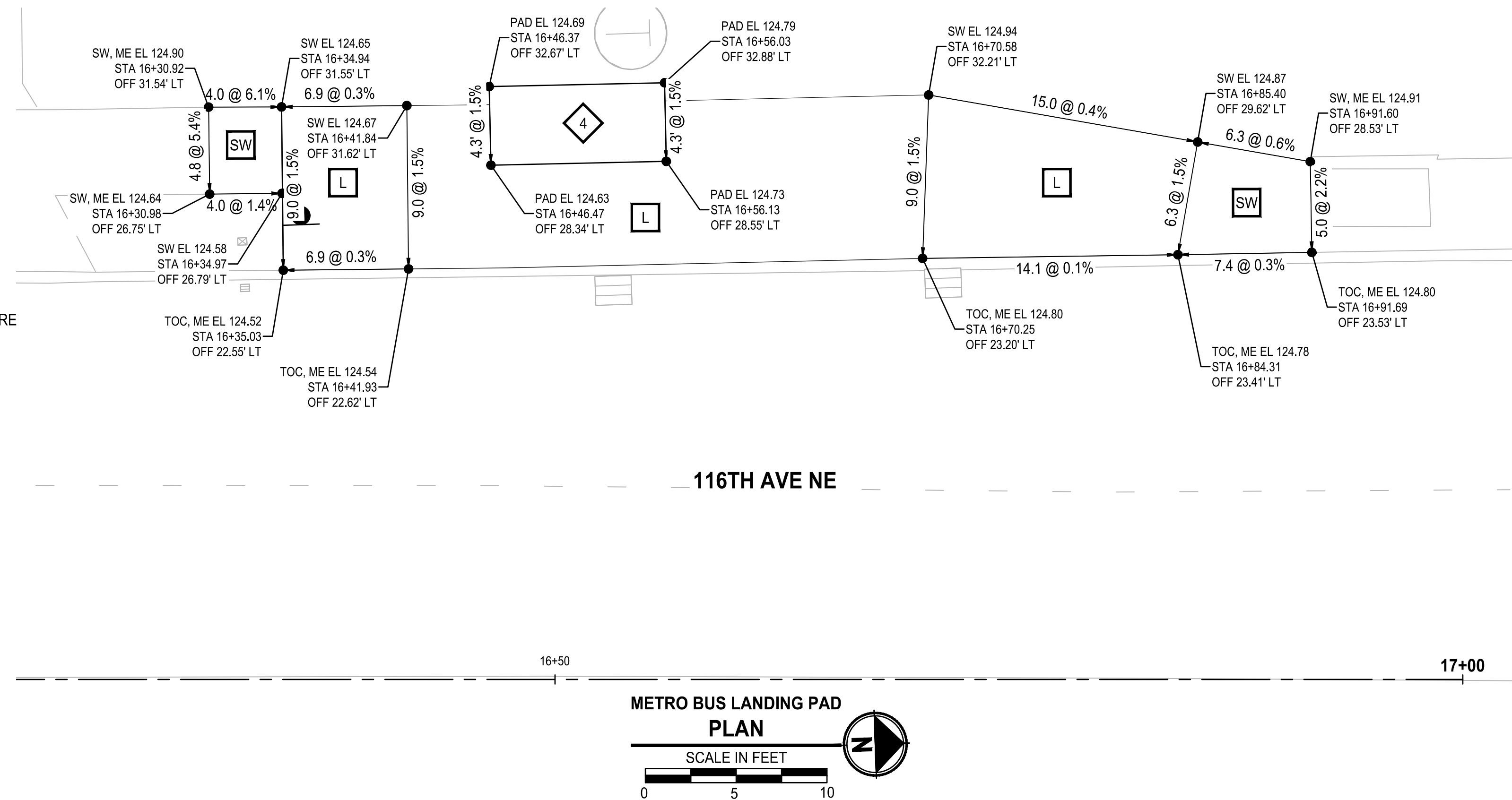
- R** RAMP
- L** LANDING
- SW** SIDEWALK TRANSITION PANEL
- CW** CROSSWALK
- MF** MAXIMUM EXTENT FEASIBLE


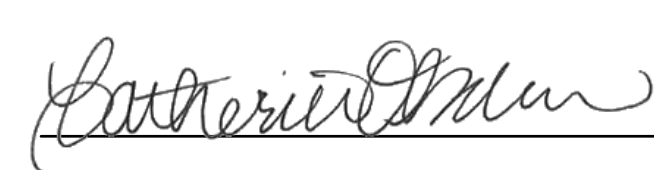
LEGEND:

- BACK OF SIDEWALK
- EL - ELEVATION
- ER - EXISTING ROAD
- EX - EXISTING
- FL - FLOWLINE
- LD - LANDING
- OFF - OFFSET
- PC - POINT OF CURVATURE
- PCC - POINT OF COMPOUND CURVATURE
- PT - POINT OF TANGENCY
- TR - TOP OF RAMP
- STA - STATION
- SW - SIDEWALK
- TOC - TOP OF CURB
- ME - MATCH EXISTING ELEVATION

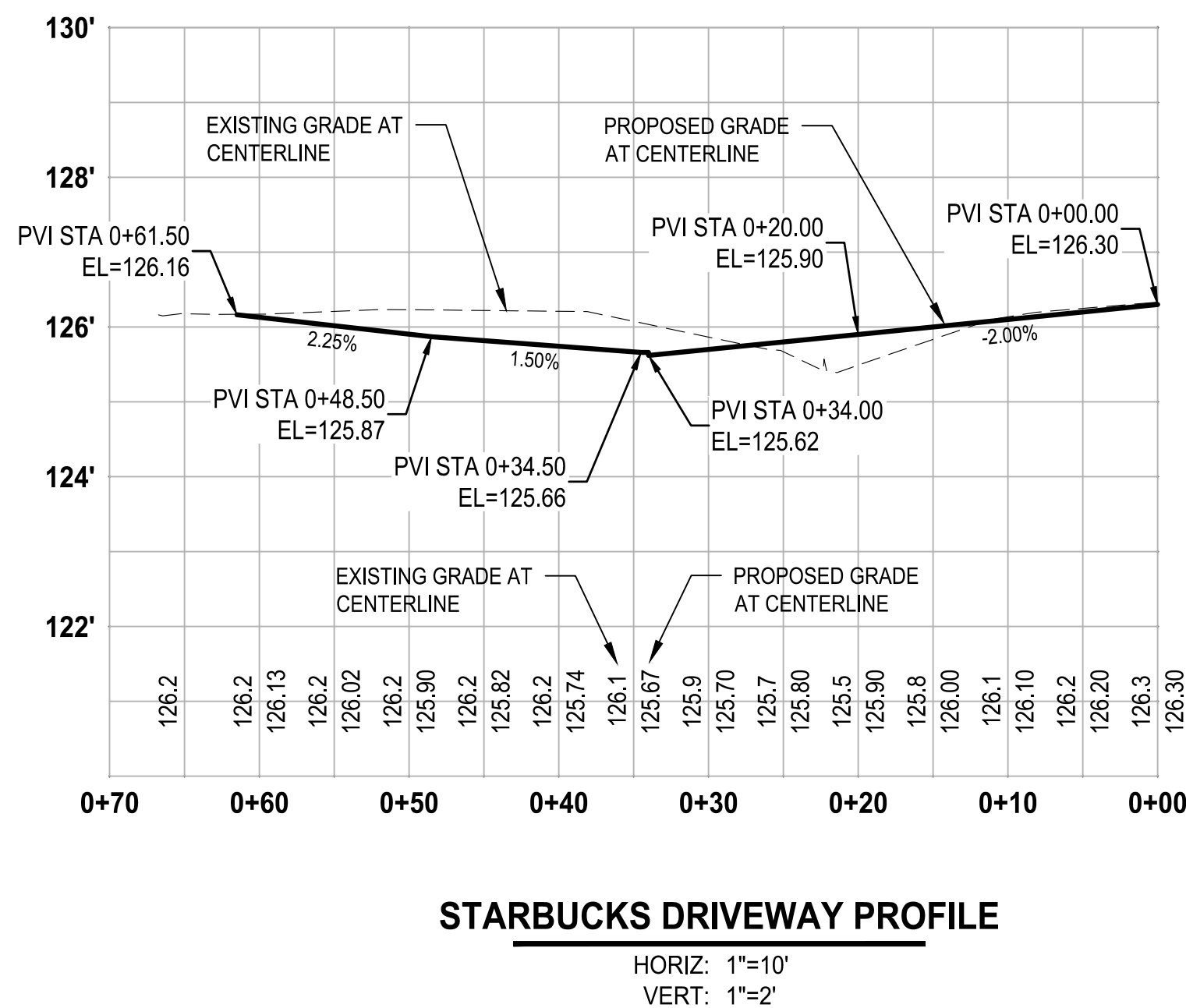
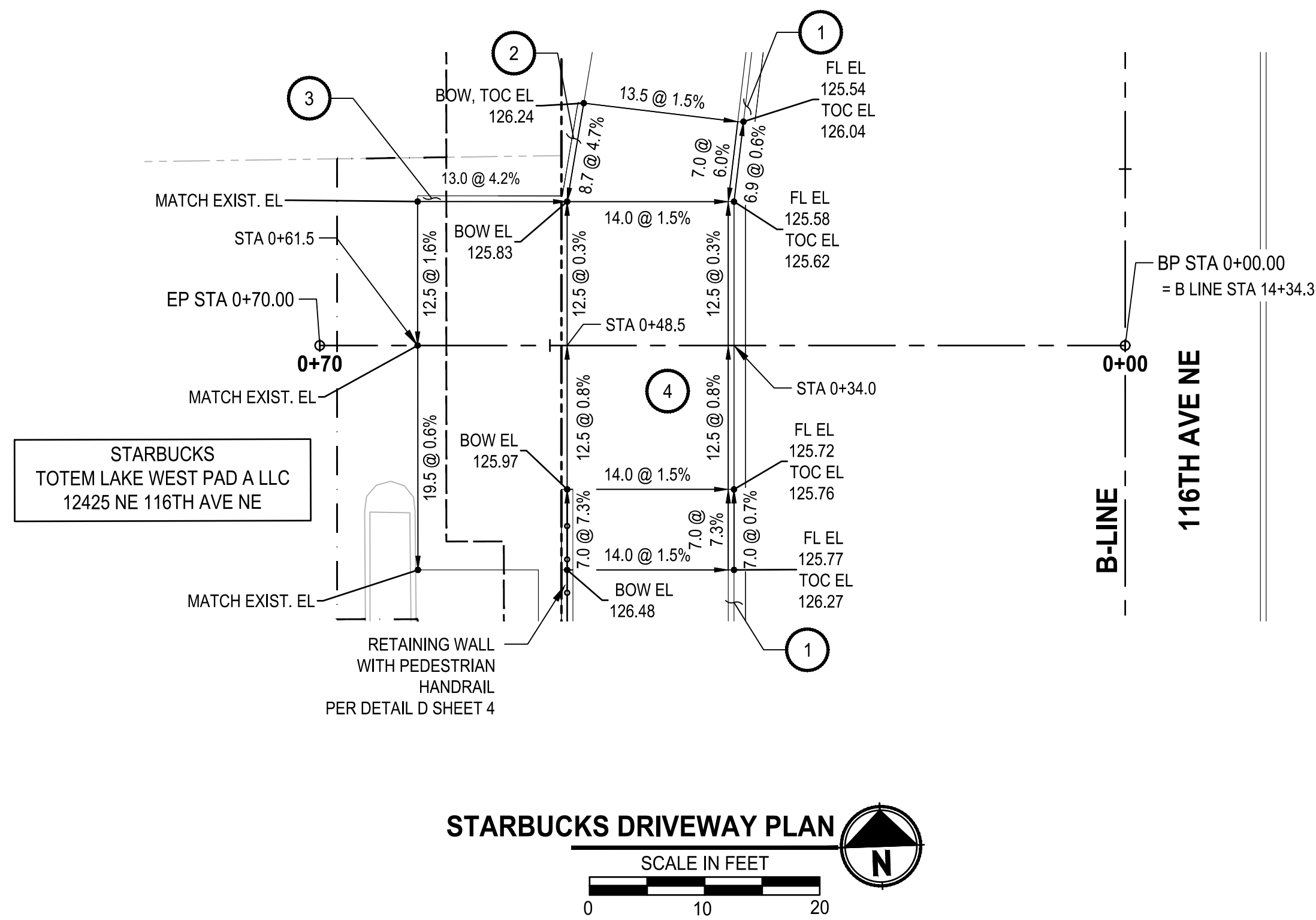
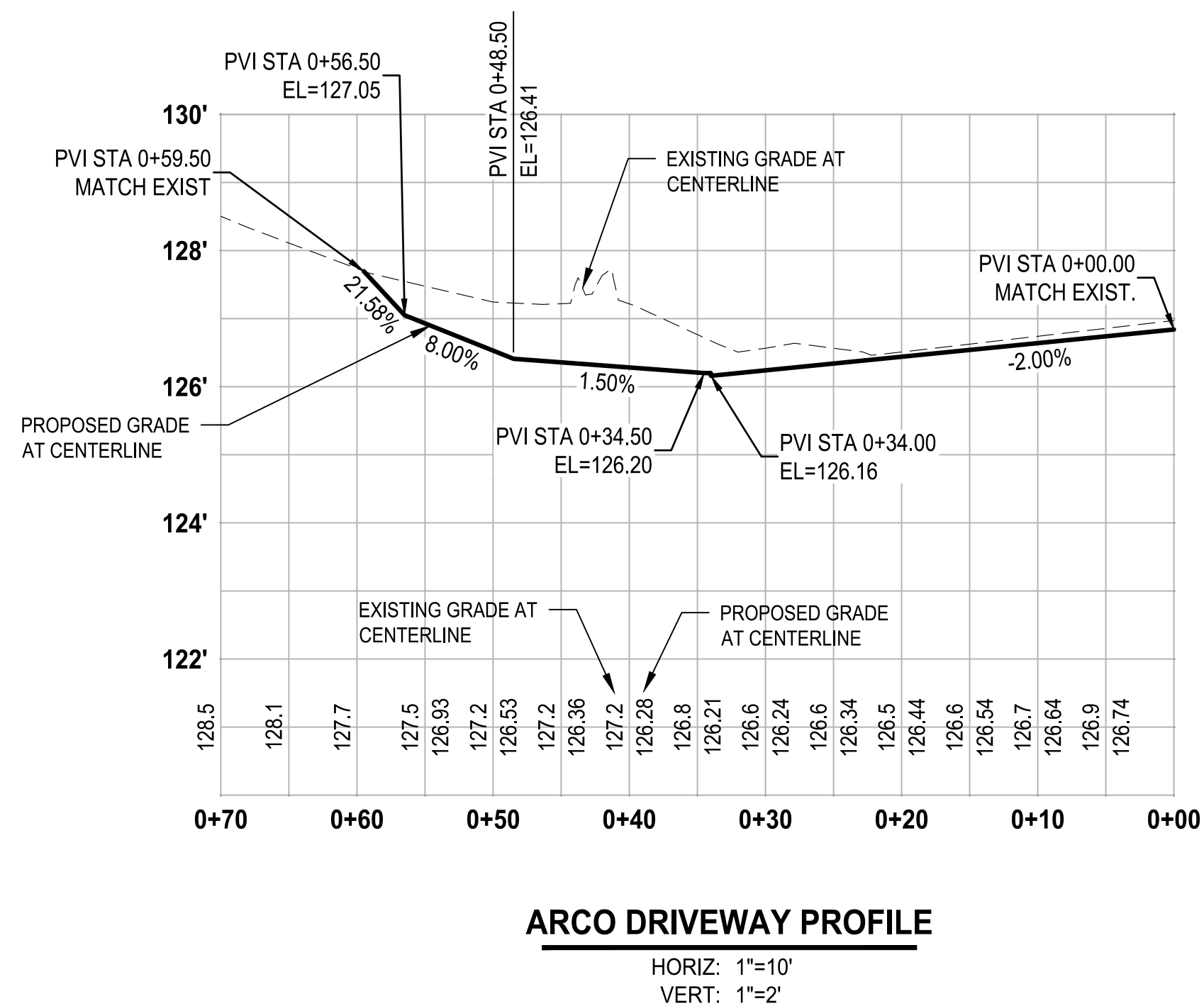
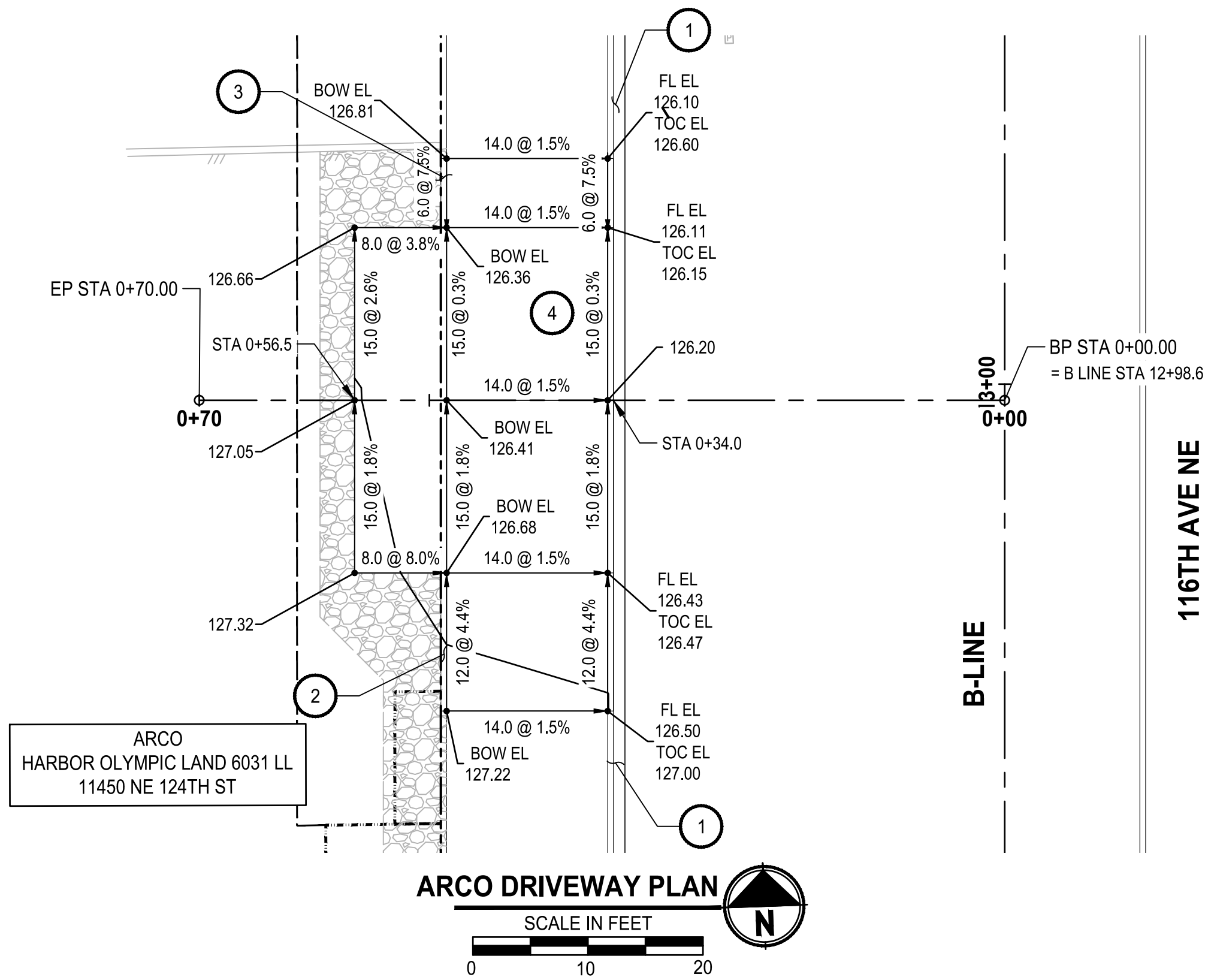
CONSTRUCTION NOTES:

- CONSTRUCT CEMENT CONC. CURB RAMP TYPE PARALLEL A PER WSDOT STD PLAN F-40.12-03.
- CEMENT CONC. PEDESTRIAN CURB PER COK STD PLAN CK-R.17A.
- CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER PER COK STD PLAN CK-R.17.
- CONSTRUCT STANDARD SHELTER FOOTING B21 WITH INTERNAL SOLAR SHELTER LIGHTING PER KING COUNTY METRO STANDARD PLANS D103 AND D111. CONTRACTOR TO COORDINATE WITH KING COUNTY METRO A MINIMUM OF 5 DAYS PRIOR TO RELOCATION. CONTRACTOR TO COORDINATE WITH METRO A MINIMUM OF 3 WEEKS IN ADVANCE TO SCHEDULE AN INSPECTION. SEE GENERAL NOTES SHEET 2.



	CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS 123 FIFTH AVENUE KIRKLAND, WA 98033 (425) 587-3800 www.kirklandwa.gov	NO.	DATE	BY	APPR.	REVISION
	APPROVED BY:  DATE: 10/5/2021	DESIGNED BY: D. SUSLIKOV 7/2021 DATE	DRAWN BY: C. DUBOW 7/2021 DATE	CHECKED BY: D. SCHNEIDER 7/2021 DATE	GRADING PLAN NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS CITY OF KIRKLAND, WA	SHEET: 14 OF 35
						SCALE: 1" = 5'
						JOB NO.: 214-1802-047
						FILENAME:

FILE: PS1802047DW-01
CITY OF KIRKLAND
WASHINGTON
DATE: Friday, September 24, 2021 2:02:19 PM
PLOT BY: Dubow
DATE: Friday, September 24, 2021 2:02:19 PM
PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th 116th Ave\995vcs\0400.DWG
LAYOUT: DWG



CONSTRUCTION NOTES:

- 1 CONSTRUCT CEMENT CONC. TRAFFIC CURB AND GUTTER, TYPE "A", PER COK STD PLAN CK-R.17
- 2 CONSTRUCT CEMENT CONC. PEDESTRIAN CURB PER COK STD PLAN CK-R.17A
- 3 CONSTRUCT CEMENT CONC. TRAFFIC CURB PER WSDOT STD PLAN F-10.12-03
- 4 CONSTRUCT CEMENT CONC. DRIVEWAY ENTRANCE TYPE COMMERCIAL PER KC RDGS FIG. 3-007



CSBC

BID SET

SHEET:	15 OF 35
SCALE:	1" = 10'
JOB NO.:	214-1802-047
FILENAME:	

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M...
DATE: 10/5/2021

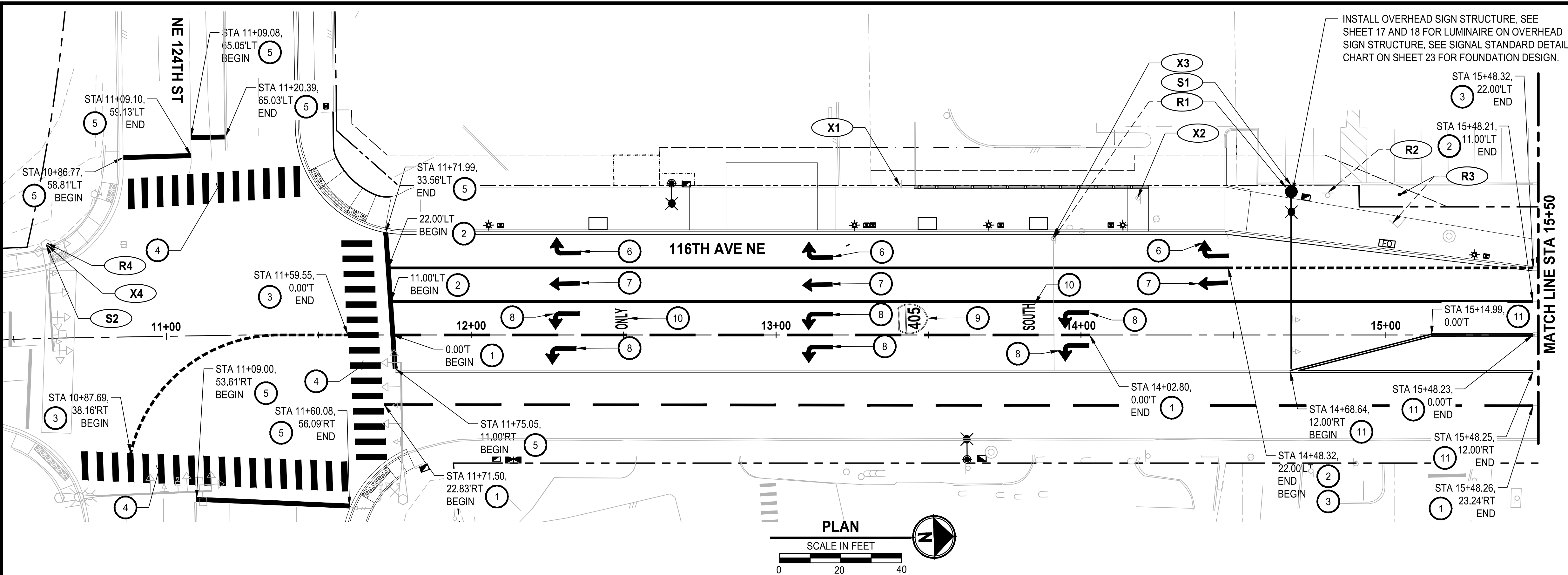
D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

DRIVEWAY PLAN AND PROFILE

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

FILE: P:\1802047CH-01 LAYOUT: CH1 PATH: U:\PSD\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE\24St_116th\NE\985ves\CAADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:02:44 PM



SIGN SCHEDULE

SIGN #	DESIGNATION	COMMON NAME	EXISTING STATION	EXISTING OFFSET	PROPOSED STATION	PROPOSED OFFSET	SIZE	COMMENT
X1	-	DRIVE THRU SIGN	13+40	48.6 LT	-	-	EXISTING	SIGNS WILL BE REMOVED PRIOR TO CONSTRUCTION
X2	-	DRIVE THRU SIGN	14+19	44.9 LT	-	-	EXISTING	SIGNS WILL BE REMOVED PRIOR TO CONSTRUCTION
R1	-	405 SOUTH OK/ NE 124TH ST	13+91	31.6 LT	14+69	47.0 LT	EXISTING	MOUNT ON OVERHEAD SIGN STRUCTURE CENTERED ABOVE FAR LEFT LANE
	-	405 SOUTH ONLY			-	-	EXISTING	MOUNT ON OVERHEAD SIGN STRUCTURE CENTERED ABOVE INNER LEFT LANE
X3	R3-6b	STRAIGHT/ RIGHT TURN	-	-	-	-	EXISTING	
	R3-8a	ADVANCED INTERSECTION CONTROL			-	-	EXISTING	
S1	R3-5A	STRAIGHT AHEAD ONLY ARROW	-	-	14+69	47.0 LT	30" X 36"	MOUNT ON OVERHEAD SIGN STRUCTURE CENTERED ABOVE INNER RIGHT LANE
	R3-5B	RIGHT TURN ONLY ARROW	-	-	14+69	47.0 LT		MOUNT ON OVERHEAD SIGN STRUCTURE CENTERED ABOVE RIGHT LANE
	MODIFIED R3-8a	ADVANCE INTERSECTION CONTROL	13+91	31.6 LT	14+69	47.0 LT	64" X 36"	MOUNT ON OVERHEAD SIGN STRUCTURE POLE. SIGN CONFIGURATION FROM LEFT TO RIGHT: R3-5, R3-6, R3-5a, R3-5b
R2	-	METRO BUS	14+86	35.2 LT	16+36 *	25.6 LT *	EXISTING	SIGN SHALL BE REINSTALLED BY KING COUNTY METRO CREWS
R3	-	PROPERTY FOR LEASE	15+04	35.2 LT	15+04	46.0 LT	EXISTING	TO BE RELOCATED USING EXISTING POLES
X4	R3-6b	STRAIGHT/ RIGHT TURN	10+61	30.7 LT	-	-	EXISTING	
S2	R3-5a	THROUGH ONLY ARROW	-	-	10+61	30.7 LT	30" X 36"	MOUNT ON SIGNAL MAST ARM CENTERED ON INNER RIGHT LANE
	R3-5b	RIGHT TURN ONLY ARROW	-	-			30" X 36"	MOUNT ON SIGNAL MAST ARM CENTERED ON OUTER RIGHT LANE
R4	D3-1	STREET NAME	10+61	30.7 LT	-	-	EXISTING	MOUNT ON SIGNAL MAST ARM POLE
X5	R3-8a	ADVANCED INTERSECTION CONTROL	N/A	N/A	-	-	EXISTING	POLE-MOUNTED SIGN IS APPROXIMATED 400' NORTH OF STA 16+50
S3	R3-8a	ADVANCED INTERSECTION CONTROL	N/A	N/A	-	-	64" X 36"	MOUNT ON EXISTING LUMINAIRE POLE. SIGN CONFIGURATION FROM LEFT TO RIGHT: R3-5, R3-6, R3-5a, R3-5b

SIGN SCHEDULE NOTES:

- ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED PER CITY OF KIRKLAND STD PLAN CK-R.43.
- WHEN MULTIPLE EXISTING SIGNS ARE RELOCATED, SIGNS SHALL BE INSTALLED IN SAME CONFIGURATION AT NEW LOCATION.
- UNLESS OTHERWISE NOTED, RELOCATED AND NEW SIGNS SHALL BE INSTALLED ON NEW 2" SCHEDULE 40 GALVANIZED PIPE PER CITY OF KIRKLAND STD PLAN CK-R.43.

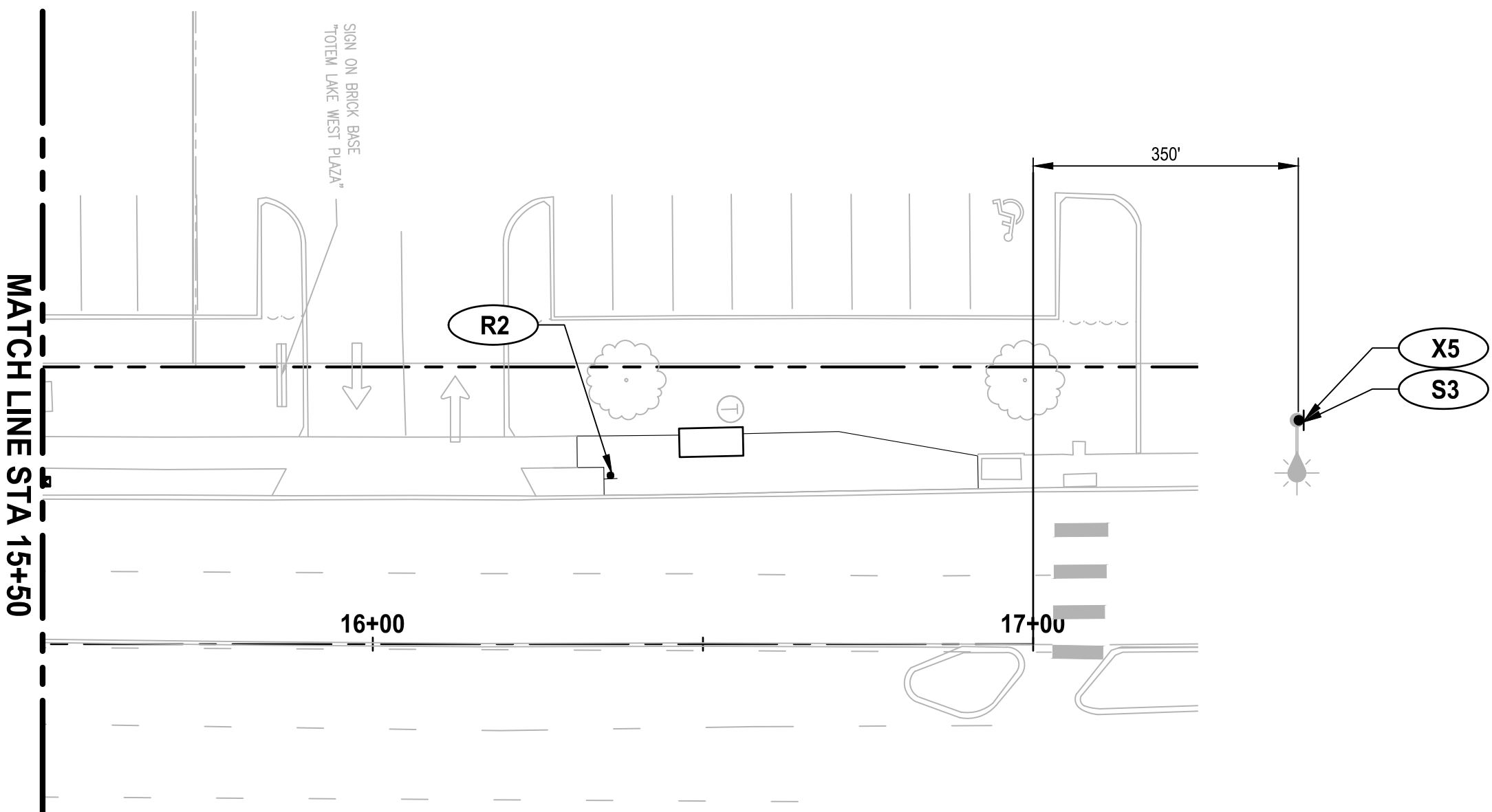
* CONTRACTOR TO COORDINATE WITH KING COUNTY METRO FOR EXACT RELOCATION LOCATION.

CHANNELIZATION LEGEND:

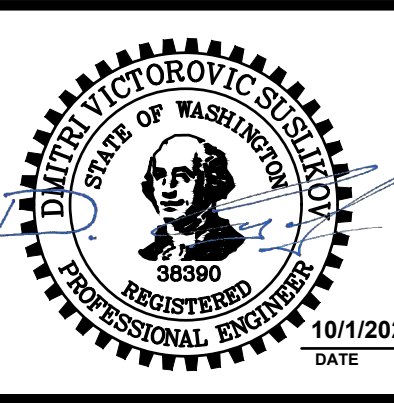


- 1 INSTALL LANE LINE PER WSDOT STD PLAN M-5.10-03 AND M-20.10-03.
- 2 INSTALL WIDE LANE LINE PER WSDOT STD PLAN M-5.10-03 AND M-20.10-03.
- 3 INSTALL WHITE DOTTED EXTENSION LINE PER WSDOT STD PLANS M-5.10-03 AND M-20.10-03.
- 4 INSTALL PLASTIC CROSSWALK LINE, PER CITY OF KIRKLAND STD PLAN CK-R.28.
- 5 INSTALL 18" PLASTIC STOP LINE PER CITY OF KIRKLAND STD PLAN CK-R.28.
- 6 INSTALL TYPE 2SR (RIGHT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
- 7 INSTALL TYPE 1S TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
- 8 INSTALL TYPE 2SL (LEFT) TRAFFIC ARROW PER WSDOT STD DETAIL M-24.40-02.
- 9 INSTALL INTERSTATE ROUTE PAVEMENT MARKING M1-1 WITH NUMBER "405".
- 10 INSTALL THERMOPLASTIC LETTERING PER WSDOT STD PLAN M-80.30-00 AND M-80.10-01.
- 11 INSTALL DOUBLE CENTERLINE PER WSDOT STD PLAN M-3.40-04 AND M-20.10-03.

SIGN LEGEND:

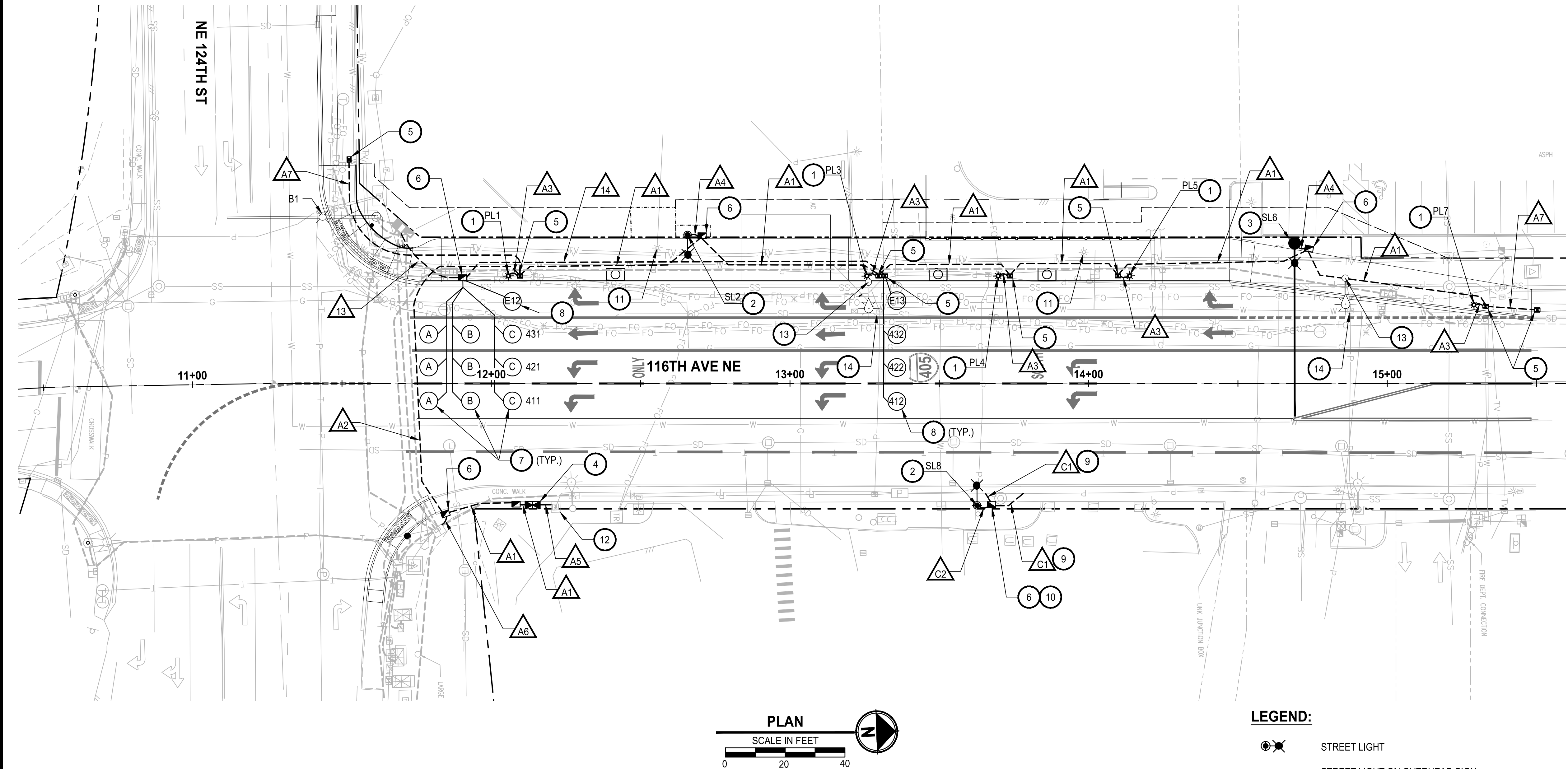
- S# INSTALL NEW SIGN ON NEW POST
- R# RELOCATE EXISTING SIGN TO NEW POST
- X# REMOVE AND SALVAGE EXISTING SIGN
- EXISTING SIGN
- NEW SIGN



BID SET

	CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS 123 FIFTH AVENUE KIRKLAND, WA 98033 (425) 587-3800 www.kirklandwa.gov	NO.	DATE	BY	APPR.	REVISION	
	APPROVED BY:  DATE: 10/5/2021	D. SUSLIKOV DESIGNED BY: 7/2021 DATE	C. DUBOW DRAWN BY: 7/2021 DATE	D. SCHNEIDER CHECKED BY: 7/2021 DATE		NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS CITY OF KIRKLAND, WA	SHEET: 16 OF 35
							SCALE: 1" = 20'
							JOB NO.: 214-1802-047
							FILENAME:

FILE: PS1802047L-01 LAYOUT: IL1 PATH: U:\P50\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th\116AveNE\99Svs\CADD\DWG PLOTTED BY: DubowCld DATE: Friday, September 24, 2021 2:02:57 PM



LEGEND:

- STREET LIGHT
- STREET LIGHT ON OVERHEAD SIGN STRUCTURE
- PEDESTRIAN STREET LIGHT STANDARD
- TYPE 1 JUNCTION BOX
- TYPE 2 JUNCTION BOX
- SERVICE CABINET
- EXISTING STREET LIGHT
- EXISTING PEDESTRIAN/PRIVATE LIGHT
- EXISTING PSE TRANSFORMER
- CONDUIT
- WIRE/CONDUIT NOTE (SEE WIRE/CONDUIT SCHEDULE ON SHEET 18)

GENERAL NOTES:

- UTILITY LOCATION PRIOR TO CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
- JUNCTION BOXES SHALL BE INSTALLED FLUSH WITH AND ADJACENT TO SIDEWALK UNLESS OTHERWISE NOTED ON THE PLANS.
- CONDUIT LOCATIONS SHOWN ON THE PLAN ARE SCHEMATIC.
- ALL EQUIPMENT AND CONDUIT SHALL BE GROUNDED PER NEC REQUIREMENTS.
- EXISTING AND PROPOSED UTILITIES ARE SHOWN FOR REFERENCE ONLY. REFER TO APPLICABLE PLAN SHEETS FOR SPECIFIC INFORMATION.
- SEE SIGNAL PLANS FOR CONTINUATION OF SIGNAL MODIFICATION AT NE 124TH ST/116TH AVE NE INTERSECTION.

CONSTRUCTION NOTES:

- CONSTRUCT PEDESTRIAN STREET LIGHT STANDARD POLE BASE AND FOUNDATION PER COK STANDARD PLAN NO. CK-R.47A. INSTALL PEDESTRIAN STREET LIGHT STANDARD AND LUMINAIRE ON FOUNDATION PER COK STANDARD PLAN NO. CK-R.47M. AND STREET LIGHT STANDARD SCHEDULE ON SHEET 18.
- CONSTRUCT ROADWAY LIGHTING FOUNDATION PER COK STANDARD PLAN NO. CK-TS.08. INSTALL ROADWAY LIGHTING STANDARD AND LUMINAIRE ON FOUNDATION. SEE STREET LIGHT STANDARD SCHEDULE ON SHEET 18.
- INSTALL OVERHEAD SIGN STRUCTURE AND ROADWAY LIGHTING STANDARD MAST ARM AND LUMINAIRE ON OVERHEAD SIGN STRUCTURE PER COK STANDARD PLAN NO. CK-TS.08 AND STREET LIGHT STANDARD SCHEDULE ON SHEET 18. SEE SHEET 16 FOR SIGNS ON OVERHEAD SIGN STRUCTURE. SEE SIGNAL STANDARD DETAIL CHART ON SHEET 23 FOR FOUNDATION DESIGN.
- CONSTRUCT FOUNDATION AND INSTALL SERVICE CABINET PER COK STANDARD PLAN NO. CK-TS.05A.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 1 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL LOCKING LID STANDARD DUTY JUNCTION BOX TYPE 2 PER WSDOT STANDARD PLAN J-40.10-04.
- INSTALL TYPE 3S (STOP LINE) LOOP PER WSDOT STANDARD PLAN J-50.12-02.
- INSTALL TYPE 3A (ADVANCE) LOOP PER WSDOT STANDARD PLAN J-50.12-02.
- INTERCEPT EXISTING CONDUIT AND EXTEND TO NEW JUNCTION BOX.
- SPLICE NEW CIRCUIT WIRE TO EXISTING CIRCUIT WIRES IN JUNCTION BOX.
- REMOVE EXISTING PARKING LOT LIGHT POLE, FOUNDATION, AND FIXTURE.
- COORDINATE WITH PSE FOR ELECTRICAL SERVICE CONNECTION AT EXISTING PSE TRANSFORMER.
- REMOVE EXISTING ROADWAY LIGHTING STANDARD, FOUNDATION, AND FIXTURE.
- REMOVE EXISTING JUNCTION BOX AS PART OF EXISTING ROADWAY LIGHTING STANDARD REMOVAL.

BID SET

CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

APPROVED BY:

DATE: 10/5/2021

J. JUN DESIGNED BY:	7/2021 DATE
J. JUN DRAWN BY:	7/2021 DATE
M. KENDALL CHECKED BY:	7/2021 DATE

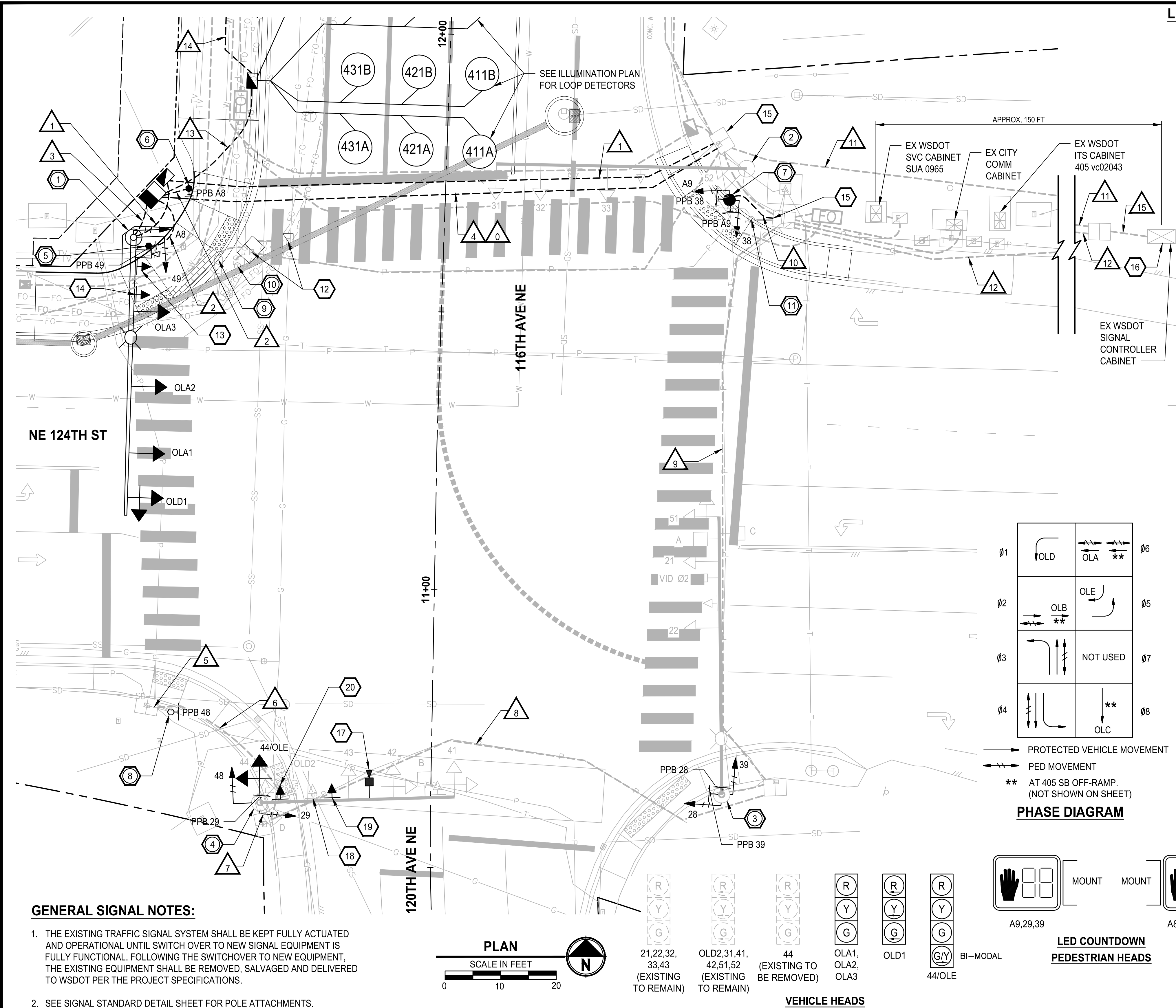
VEHICLE DETECTION AND ILLUMINATION PLAN

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

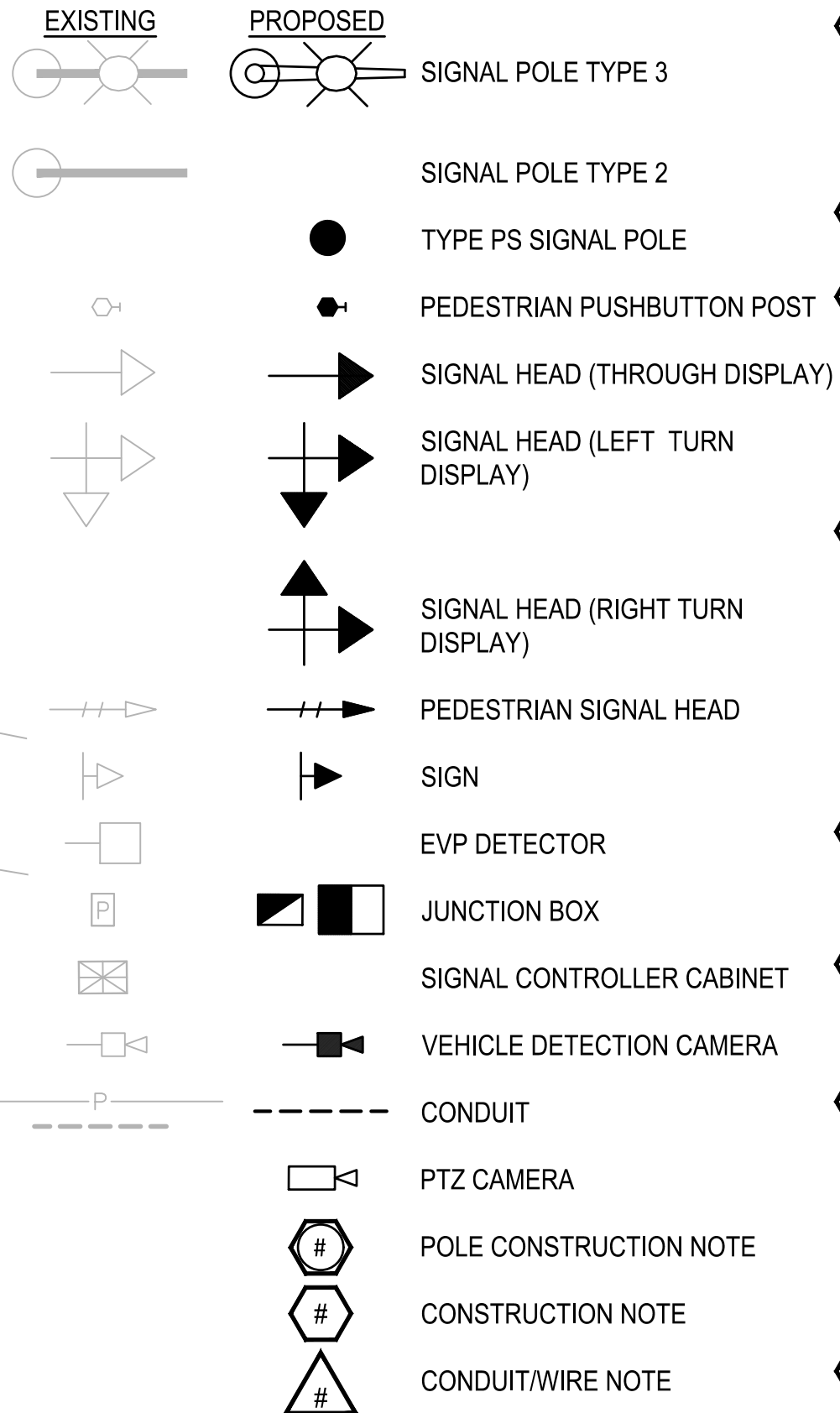
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SHEET: 17 OF 35
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME: PS1802047L-01.DWG

FILE: PS1802047E-01 LAYOUT: SIGNAL PLAN PATH: U:\PSD\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th 116th Ave\99Sves\CADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:03:21 PM



LEGEND:



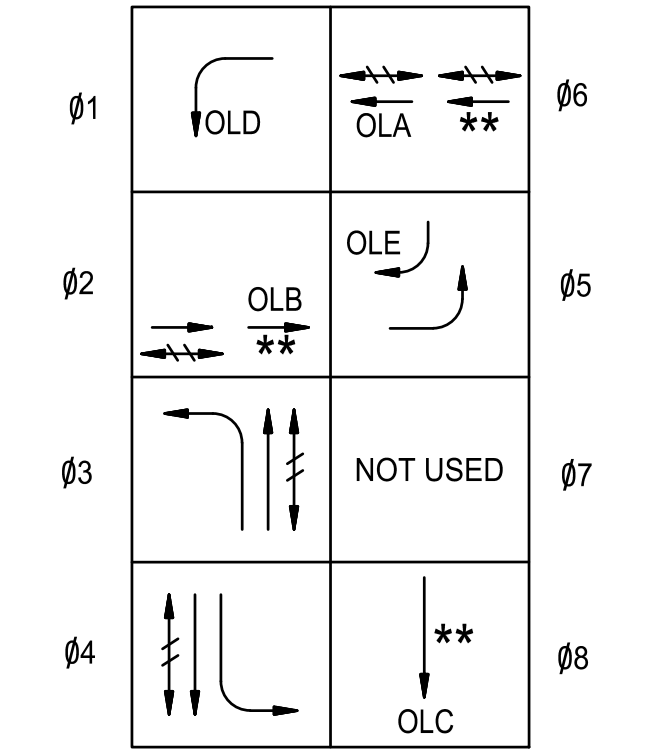
SIGNAL POLE NOTES:

- CONSTRUCT SIGNAL FOUNDATION PER WSDOT STD PLAN J-26.15-01, CASE A. INSTALL TYPE 3 SIGNAL STANDARD. RELOCATE EXISTING R3-5B (RIGHT ONLY) SIGN AND STREET NAME SIGN FROM EXISTING SIGNAL POLE 9. RELOCATE PTZ CAMERA FROM POLE 9. ALL OTHER EQUIPMENT SHALL BE NEW, PER SIGNAL STANDARD DETAILS SHEET.
- PROTECT EXISTING TYPE 2 SIGNAL STANDARD TO REMAIN.
- PROTECT EXISTING TYPE 3 SIGNAL STANDARD TO REMAIN. REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS. INSTALL TWO LED COUNTDOWN PEDESTRIAN SIGNAL HEADS AND ONE 18" APS PEDESTRIAN PUSHBUTTON EXTENSION. INSTALL ONE LEFT ARROW APS PEDESTRIAN PUSHBUTTON AND ONE RIGHT ARROW APS PEDESTRIAN PUSHBUTTON ON PUSHBUTTON EXTENSION.
- PROTECT EXISTING TYPE 2 SIGNAL STANDARD TO REMAIN. REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL HEADS, PEDESTRIAN PUSHBUTTON AND VEHICLE SIGNAL HEAD 44. RELOCATE EXISTING STREET NAME SIGN FROM MAST ARM TO POLE. REMOVE EXISTING R3-6B SIGN FROM MAST ARM. INSTALL R3-5B (RIGHT ONLY) AND R3-5A (THROUGH ONLY) SIGN ON MAST ARM. INSTALL TWO LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, ONE LEFT ARROW APS PEDESTRIAN PUSHBUTTON, AND SIGNAL HEAD 44/OLE ON THE POLE. MODIFY EXISTING H MOUNT AS REQUIRED FOR HEADS OLD2 & 44/OLE.
- CONSTRUCT ACCESSIBLE PEDESTRIAN PUSHBUTTON POST (PPB) AND FOUNDATION PER WSDOT STD. PLAN J-20.10-04. INSTALL ONE LEFT ARROW APS PEDESTRIAN PUSHBUTTON.
- CONSTRUCT ACCESSIBLE PEDESTRIAN PUSHBUTTON POST (PPB) AND FOUNDATION PER WSDOT STD. PLAN J-20.10-04. INSTALL ONE RIGHT ARROW APS PEDESTRIAN PUSHBUTTON.
- CONSTRUCT ACCESSIBLE PEDESTRIAN PUSHBUTTON WITH CURB BASE (TYPE 1) PER WSDOT STD. PLAN J-20.11-03. RELOCATE TYPE 1 POLE #11 TO NEW FOUNDATION. REPLACE ONE PEDESTRIAN SIGNAL HEAD WITH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD. REPLACE TWO PUSHBUTTONS WITH ONE LEFT ARROW APS PEDESTRIAN PUSHBUTTON, AND ONE RIGHT ARROW APS PEDESTRIAN PUSHBUTTON. RELOCATE EXISTING LED COUNTDOWN PEDESTRIAN DISPLAY 69 FROM POLE 11.
- PROTECT EXISTING PEDESTRIAN PUSHBUTTON POLE TO REMAIN. REMOVE AND SALVAGE EXISTING PEDESTRIAN PUSHBUTTON. INSTALL ONE RIGHT ARROW APS PEDESTRIAN PUSHBUTTON ON AN 18" APS PEDESTRIAN PUSHBUTTON EXTENSION.
- REMOVE AND SALVAGE EXISTING TYPE 3 SIGNAL STANDARD. RELOCATE SIGNS AND PTZ CAMERA TO POLE #1. REMOVE AND SALVAGE ALL OTHER EQUIPMENT ON THE SIGNAL STANDARD, INCLUDING EXISTING WIRES BACK TO THE CABINET. REMOVE EXISTING SIGNAL STANDARD FOUNDATION.
- REMOVE AND SALVAGE PEDESTRIAN PUSHBUTTON POLE. REMOVE AND SALVAGE PEDESTRIAN PUSHBUTTONS FROM POLE SHAFT. REMOVE EXISTING PEDESTRIAN PUSHBUTTON POLE FOUNDATION.
- REMOVE EXISTING SIGNAL POLE FOUNDATION. RELOCATE EXISTING TYPE 1 POLE TO POLE #7. REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS.

PRE-EMPTION PHASING		
DETECTOR	RIGHT-OF-WAY	
	PHASES	SIGNAL HEAD GREEN
A	2, 5	21, 22, 51, 52
B	4	41, 42, 43, 44/OLE
C	6, 1	OLA1, OLA2, OLA3, OLD1, OLD2
D	3	31, 32, 33

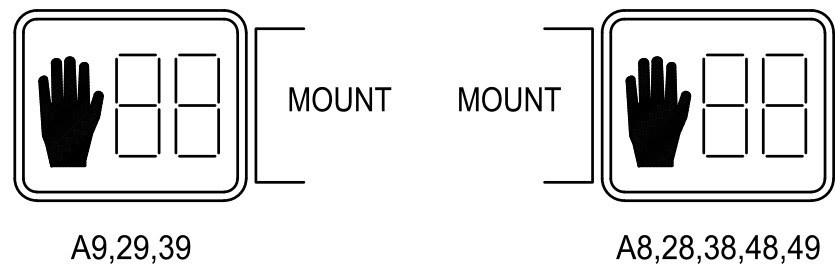
SIGNAL HEAD NOTES:

- ALL NEW VEHICLE SIGNAL HEADS SHALL HAVE 5" VANED BACKPLATES AND POLYCARBONATE TUNNEL VISORS. BACKPLATES AND VISORS SHALL BE FLAT BACK.
- ALL NEW MAST ARM MOUNTED VEHICLE SIGNAL HEADS SHALL HAVE TYPE "M" MOUNTING HARDWARE PER WSDOT STD. PLAN J-75.20-01.
- NEW SIGNAL HEAD 44/OLE SHALL BE MOUNTED ON EXISTING TYPE H MOUNTING WITH MODIFICATION TO HARDWARE PER WSDOT STD. PLAN J-75.10-02 AS REQUIRED TO ACCOMMODATE NEW SIGNAL HEAD.
- NEW PEDESTRIAN SIGNAL HEADS A8, 38, AND 49 SHALL HAVE TYPE E MOUNTING HARDWARE PER WSDOT STD. PLAN J-75.10-02.
- NEW PEDESTRIAN SIGNAL HEADS 28, 29, 39, AND 48 SHALL REUSE EXISTING TYPE A MOUNTING HARDWARE PER WSDOT STD. PLAN J-75.10-02.
- EXISTING PEDESTRIAN SIGNAL HEAD A9 SHALL HAVE TYPE E MOUNTING HARDWARE PER WSDOT STD PLAN J-75.10-02.

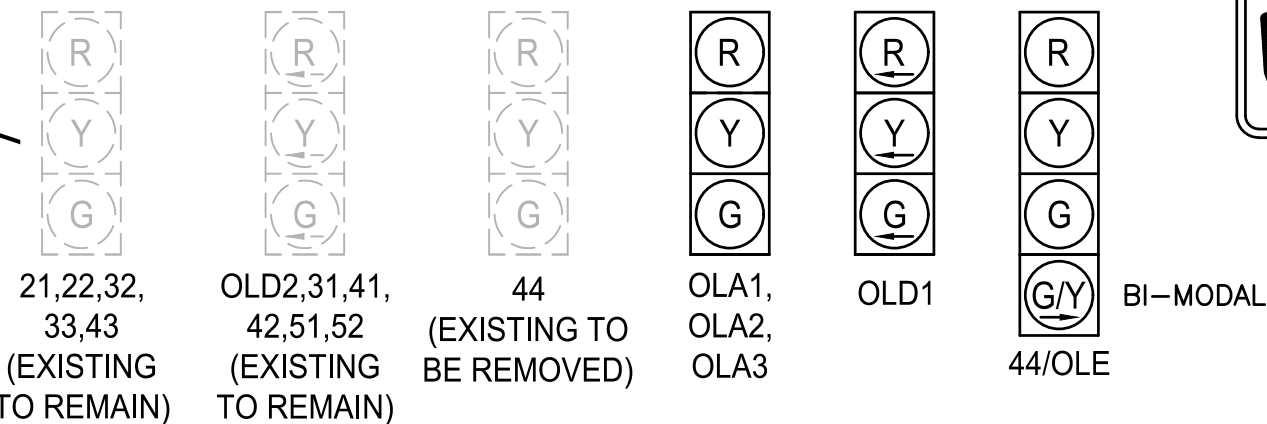


- PROTECTED VEHICLE MOVEMENT
- PED MOVEMENT
- ** AT 405 SB OFF-RAMP. (NOT SHOWN ON SHEET)

PHASE DIAGRAM



LED COUNTDOWN PEDESTRIAN HEADS



VEHICLE HEADS

GENERAL SIGNAL NOTES:

- THE EXISTING TRAFFIC SIGNAL SYSTEM SHALL BE KEPT FULLY ACTUATED AND OPERATIONAL UNTIL SWITCH OVER TO NEW SIGNAL EQUIPMENT IS FULLY FUNCTIONAL. FOLLOWING THE SWITCHOVER TO NEW EQUIPMENT, THE EXISTING EQUIPMENT SHALL BE REMOVED, SALVAGED AND DELIVERED TO WSDOT PER THE PROJECT SPECIFICATIONS.
- SEE SIGNAL STANDARD DETAIL SHEET FOR POLE ATTACHMENTS.

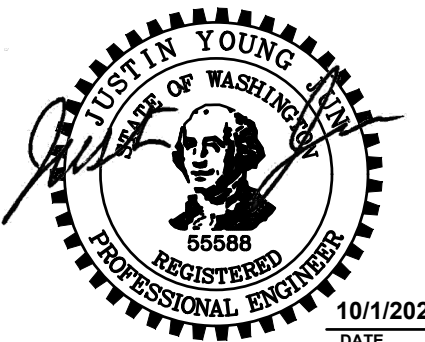
PLAN

SCALE IN FEET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine M...
DATE: 10/5/2021

J. JUN
DESIGNED BY: 7/2021
DATE
J. JUN
DRAWN BY: 7/2021
DATE
M. KENDALL
CHECKED BY: 7/2021
DATE

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA


BID SET

SHEET: **19** OF 35

SCALE: 1" = 10'

JOB NO.: 214-1802-047

FILENAME: PS1802047E-01.DWG

WIRE/CONDUIT SCHEDULE																
RUN 	CONDUIT TYPE	VEH. HEAD	PED. HEAD	EX. VEH/PED HEAD		PPB	PED. HEAD TO PPB CONNECTION	EVP. DET.	VEH. DET. LOOPS	ILLUMINATION	FIBER	EX. VIDEO DET. CAMERA	TEMP. VIDEO DET. CAMERA	EX. PTZ CAMERA	SPARE CAMERA CABLE (4)	NOTE
		5C	5C	5C	10C	2C/S	4C	3C/S	2C/S	#8	12-SMFO	RG 59/U + 18/5	CAT5E	MATCH EX.	RG 59/U + 18/5	
0	2"															SPARE
1	2"									2						
2	2"					1	1									
3	3"	2	2			2	2							1		
4	3"	2	2						8					1		
5	EX 2"					[1]	1									
6	EX 1.5"					[1]	1		[5]							
7	EX 3"	1		[2]	[1]	[1]	1	[2]					{1}		[1]	
8	EX 3"	1		[2]	[1]				[5]		[1]		{1}		[1]	
9	EX 3.5"	1		[4]	[2]					[2]		[1]	{1}			
10	2"		2			2										
11	EX 4"	2	2	(2), [2]	(1)	(2)			8 (6)	[2]				1, (1)	[1]	
12	EX 4"	1	2	[4]		2, [4], (2)		[4]	[10]				{1}		[3]	
	EX 2.5"				(1), [2]											
13	2"								8							SEE "VEHICLE DETECTION AND ILLUMINATION PLAN", AND "ELECTRICAL SCHEDULES AND DETAILS" SHEETS
14	2"								4							SEE "VEHICLE DETECTION AND ILLUMINATION PLAN", AND "ELECTRICAL SCHEDULES AND DETAILS" SHEETS
15	EX 4"			[4]		[4], (2)		[4]	[10]							
	EX 3"	3	4			2			8			[1]	{1}	1		

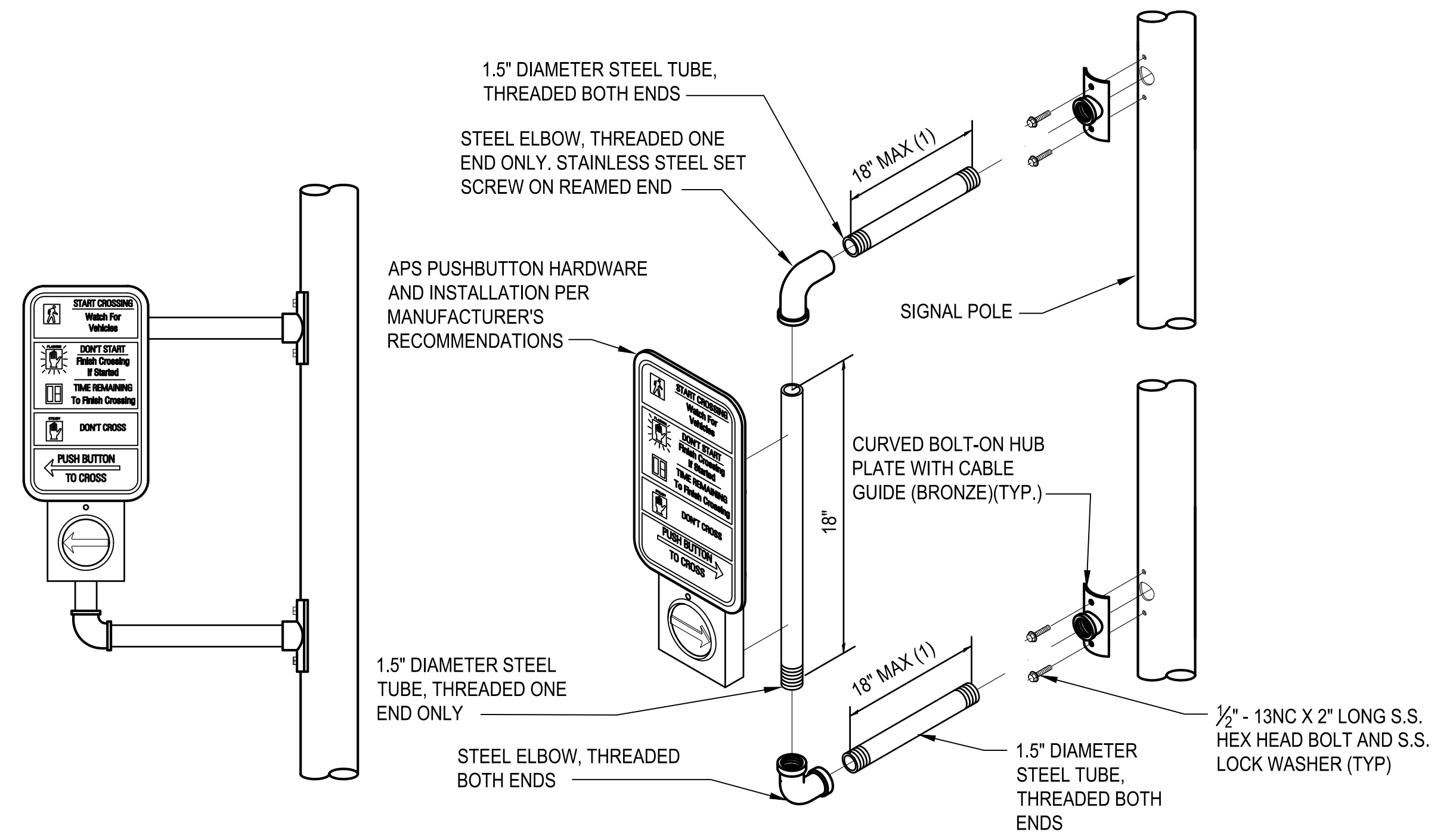
WIRE/CONDUIT SCHEDULE NOTES:

1. ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE A GROUND WIRE, NOT SHOWN IN THE WIRE/CONDUIT SCHEDULE. GROUND WIRE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED).
2. WIRE/CONDUIT SCHEDULE INCLUDES ONLY CONDUIT RUNS THAT ARE MODIFIED AS PART OF THE SIGNAL MODIFICATIONS. ADDITIONAL EXISTING CONDUIT AND WIRE IS NOT SHOWN AND SHALL BE PROTECTED.
3. EXISTING WIRES SHOWN IN THE SCHEDULE ARE BASED ON CITY PROVIDED AS-BUILT PLANS AND FIELD INVENTORY. CONTRACTOR SHALL VERIFY EXISTING CONDUIT SHOWN IN THE SCHEDULE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PULLING NEW WIRE.
4. EXISTING SIAMESE CABLE COILED ON SIGNAL POLE OR IN JUNCTION BOX.

[#] PROTECT EXISTING WIRE(S) TO REMAIN.

(#) REMOVE EXISTING WIRE(S) AFTER CUTOVER TO NEW SIGNAL WIRE.

{#} TEMPORARY WIRE TO BE REMOVED AFTER CUTOVER TO NEW DETECTION LOOPS.



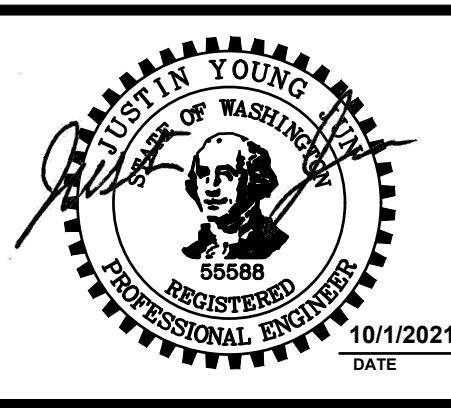
APS PEDESTRIAN PUSHBUTTON EXTENSION NOTES:

- (1) EXTENSION LENGTH IS AS NOTED ON THE PLANS.
- (2) EXTENSION SHALL BE ORIENTED IN THE FIELD TOWARDS THE BACK OF LANDING AND TO MEET ACCESSIBILITY REACH REQUIREMENTS. COORDINATE ORIENTATION OF EXTENSION ON EXISTING POLE WITH ENGINEER IN THE FIELD PRIOR TO INSTALLATION.
- (3) APS PUSHBUTTON SHALL BE ORIENTED SO THE FACE OF THE BUTTON IS PARALLEL WITH THE DIRECTION OF THE CROSSWALK.
- (4) PUSHBUTTON SHALL FACE TOWARDS THE CENTER OF THE INTERSECTION UNLESS OTHERWISE NOTED.



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DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine Mun
DATE: 10/5/2021

J. JUN 7/2021
DESIGNED BY: DATE

J. JUN 7/2021
DRAWN BY: DATE

M. KENDALL 7/2021
CHECKED BY: DATE

WIRE SCHEDULE AND DETAILS

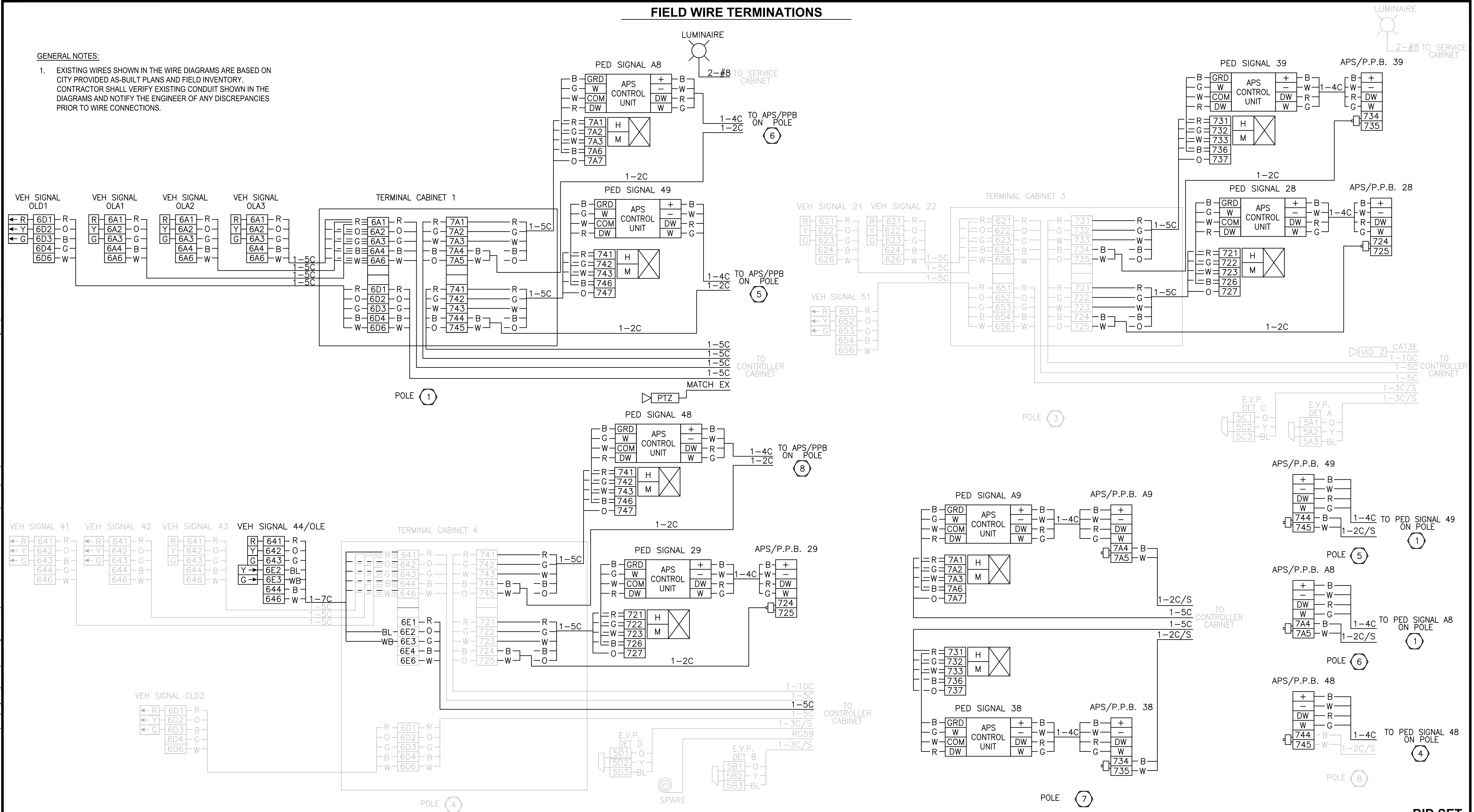
Parametrix NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES
CITY OF KIRKLAND, WA

SHEET: 20 OF 35
 SCALE: NO SCALE
 JOB NO.: 214-1802-047
 FILENAME: PS1802047E-01.DWG

FIELD WIRE TERMINATIONS




GENERAL NOTES:

1. EXISTING WIRES SHOWN IN THE WIRE DIAGRAMS ARE BASED ON CITY PROVIDED AS-BUILT PLANS AND FIELD INVENTORY. CONTRACTOR SHALL VERIFY EXISTING CONDUIT SHOWN IN THE DIAGRAMS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO WIRE CONNECTIONS.



BID SET



- | | |
|---|--------------------|
|  | FIELD CONNECTION |
|  | NEUTRAL CONNECTION |
|  | SPARE |
| W | WALK |
| DW | DON'T WALK |
| N | NEUTRAL |

APS WIRING (PPB POST TO SIGNAL POLE TERMINAL CABINET)

DETAIL

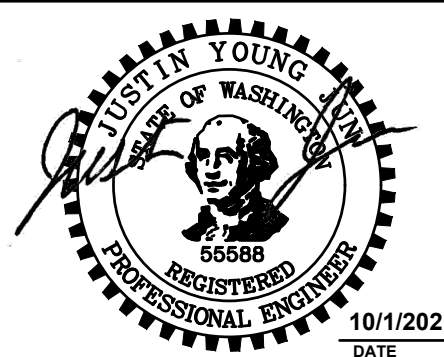
NO SCALE

1




DETAIL  2
NO SCALE -

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:


DATE: 10/5/2021

J. JUN 7/2021
DESIGNED BY: DATE:

J. JUN 7/2021
DRAWN BY: DATE:

M. KENDALL 7/2021
CHECKED BY: DATE:

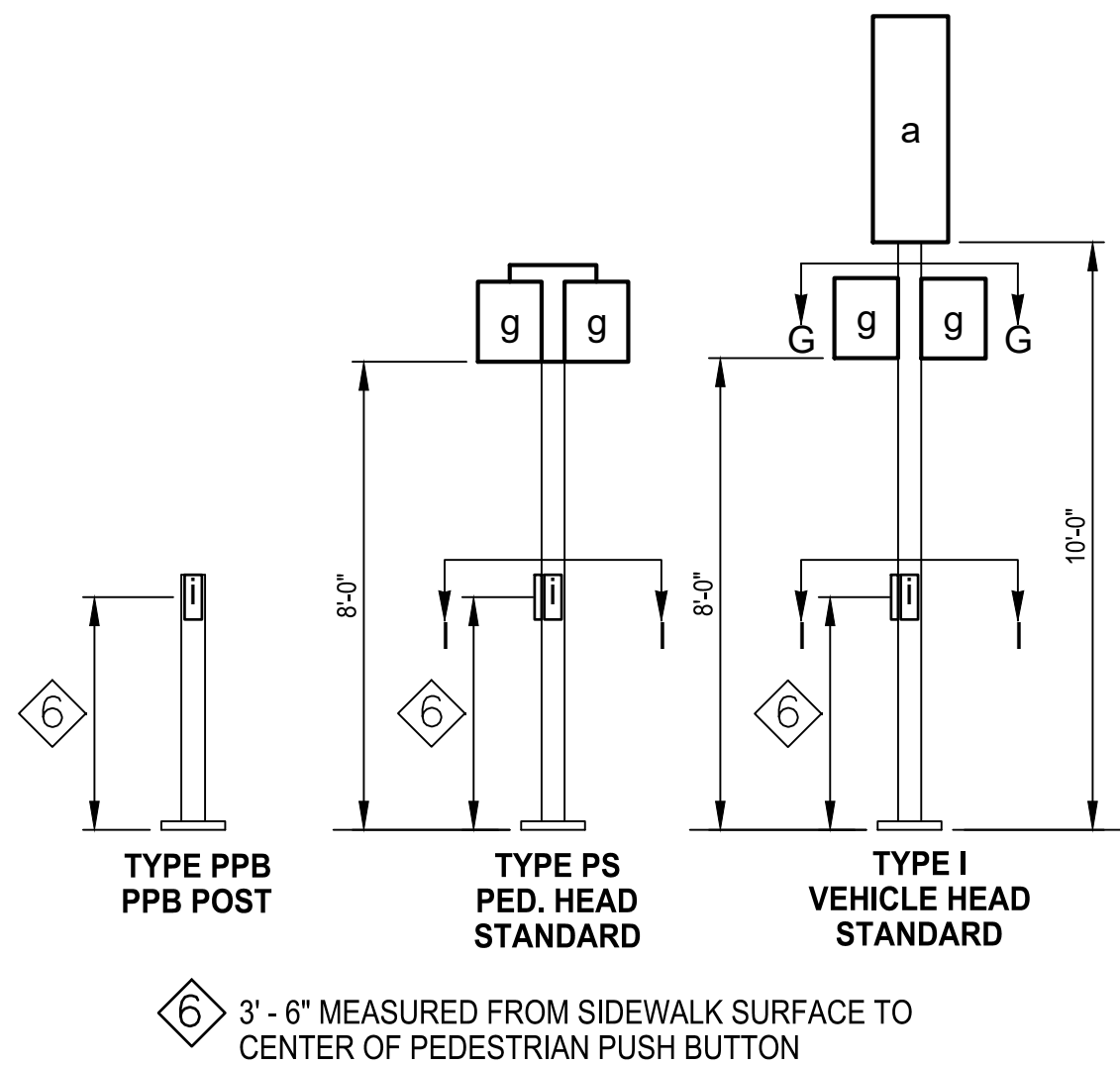


a. VEHICLE DISPLAY	f. LUMINAIRE	k. PTZ CAMERA
b. MAST ARM MTD. SIGN	g. PEDESTRIAN DISPLAY	
c. STREET NAME SIGN	h. TERMINAL CABINET	
d. PRE-EMPT DETECTOR	i. APS PPB-M	
e. POST MTD. SIGN	j. HANDHOLE	

TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTION: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45 DEGREE INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR A SINGLE PEDESTRIAN DISPLAY.

NOTE: ANCHOR BOLT DIMENSIONS AND CONFIGURATION SHALL BE PER POLE MANUFACTURER'S RECOMMENDATIONS FOR SIGNAL POLE WITH DECORATIVE BASE.

LUMINAIRE MAST ARM XYZ (FT ³)	
MAST ARM LENGTH	XYZ (FT ³)
6'	19.8
8'	26.4
10'	33.0
12'	39.6
14'	46.2
16'	52.8

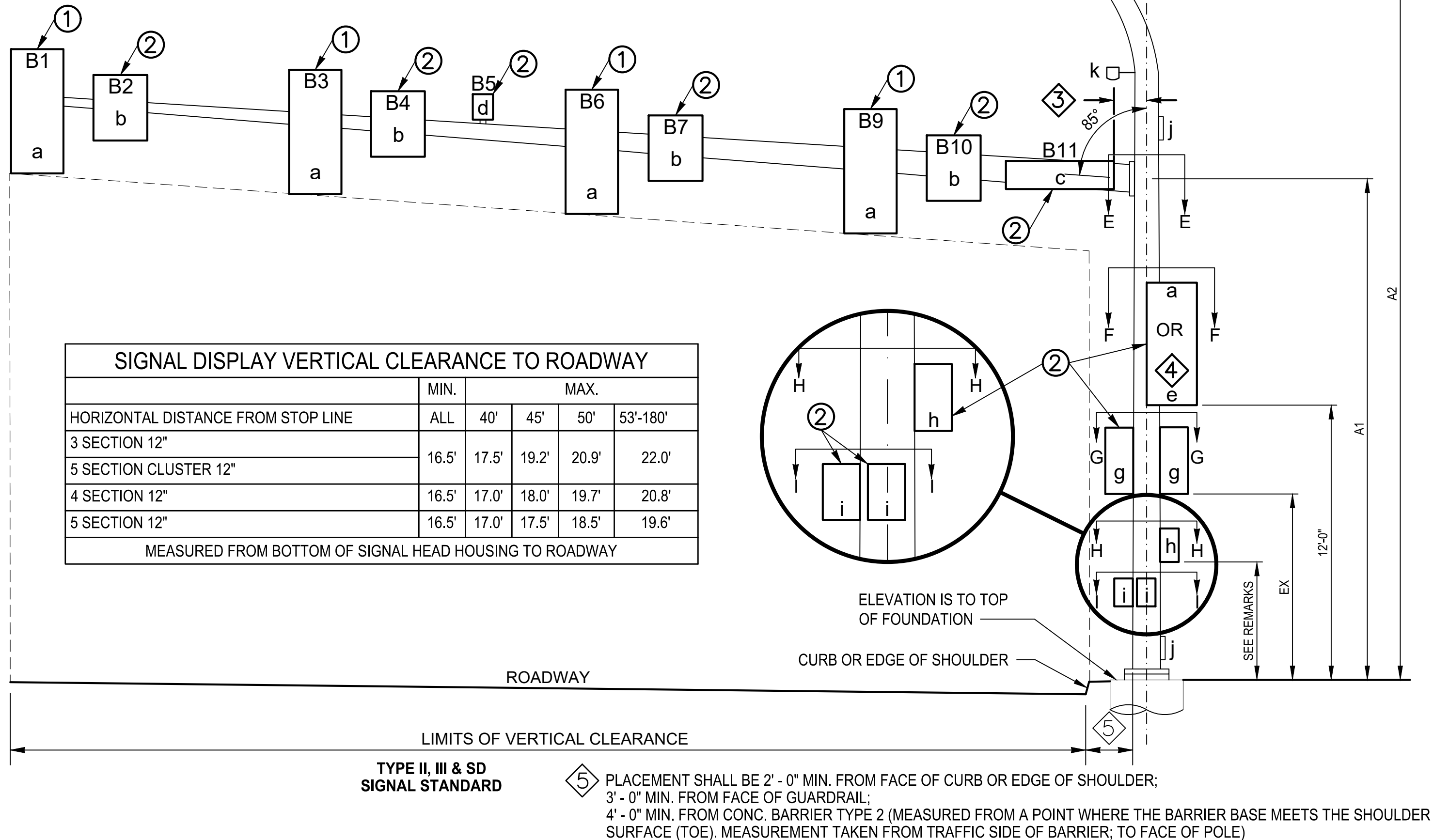


① MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.

② FIELD INSTALLED. SIGN SIZES SHALL NOT EXCEED THE MAXIMUM VALUES LISTED HERE:

SIGN	HEIGHT	WIDTH	AREA
------	--------	-------	------

SIGN	HEIGHT	WIDTH	AREA
b	3.0 FT	N/A	7.5 SQ. FT.
c	3.0 FT	N/A	36.0 SQ. FT.
e	N/A	3.0 FT	15.0 SQ. FT.



SIGNAL DISPLAY VERTICAL CLEARANCE TO ROADWAY					
	MIN.	MAX.			
HORIZONTAL DISTANCE FROM STOP LINE	ALL	40'	45'	50'	53'-180'
3 SECTION 12"	16.5'	17.5'	19.2'	20.9'	22.0'
5 SECTION CLUSTER 12"		16.5'	17.0'	18.0'	19.7'
4 SECTION 12"		16.5'	17.0'	17.5'	18.5'
5 SECTION 12"	16.5'	17.0'	17.5'	18.5'	19.6'
MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING TO ROADWAY					

<p>✱ CONSTRUCT FOUNDATION LEVEL WITH TOP OF PROPOSED GRADE.</p> <p>✱✱ CALCULATED POLE XYZ (FT³) IS THE SUM OF THE TOTAL XYZ (FT³) FOR THE SIGNAL ARM AND THE XYZ (FT³) FOR THE LUMINAIRE ARM (IF PRESENT).</p> <p>✚ OVERHEAD SIGN STRUCTURE.</p> <p>✚✚ EXISTING CALCULATED POLE XYZ (FT³) IS APPROXIMATELY 1325 FT³ (BASED ON ASSUMED Z VALUES). PROPOSED CALCULATED POLE XYZ (FT³) WITH NEW SIGNS IS APPROXIMATELY 1328 FT³ (BASED ON ASSUMED Z VALUES). ASSUMED EXISTING FOUNDATION DESIGN IS BASED ON XYZ VALUE OF 1350 PER WSDOT STANDARD. EXISTING FOUNDATION WILL ACCOMMODATE MOST ARM WITH NEW SIGNS.</p>	<p>(1) F1 POLE ATTACHMENT POINT ANGLE REFERS TO SIGNAL HEADS.</p> <p>(2) F2 POLE ATTACHMENT POINT ANGLE REFERS TO SIGNS.</p> <p>(3) FIELD VERIFY AND ADJUST AS NECESSARY AND AS APPROVED BY THE ENGINEER TO ORIENT THE BUTTON FACE TO BE PARALLEL WITH DIRECTION OF CROSSING.</p> <p>(4) ASSUMED STREET NAME SIGN SIZE.</p> <p>(5) APS PEDESTRIAN PUSHBUTTON ON 18" APS PUSHBUTTON EXTENSION.</p>
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SHEET: 23 OF 35
SCALE: NO SCALE
JOB NO.: 214-1802-047
FILENAME: PS1802047E-01.DWG

FILE: ITN01 LAYOUT: WIRE SCHED PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th 116AveNE\99Sves\CADD\DWG\FiberOptic PLOTTED BY: kendamar DATE: Monday, March 1, 2021 7:45:50 AM



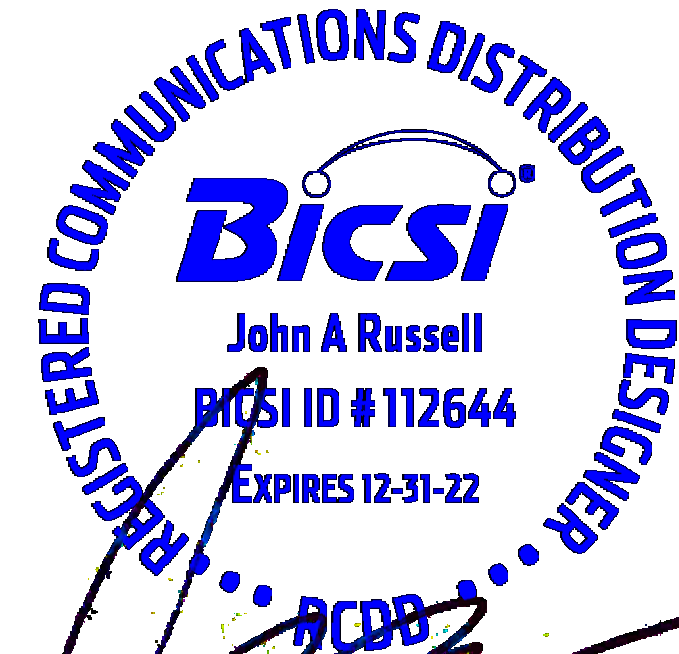
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DEPARTMENT OF PUBLIC WORKS
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(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

APPROVED BY:


DATE: 10/5/2021

J. RUSSELL	1/2021
DESIGNED BY:	DATE
J. BERRY	1/2021
DRAWN BY:	DATE
M. KENDALL	3/2021
CHECKED BY:	DATE



ITN01 - FIBER OPTIC RELOCATION
NOTES AND SCHEDULE

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET: 24 OF 34
SCALE: NO SCALE
JOB NO.: 214-1802-047
FILENAME: ITN01.DWG

WIRE SCHEDULE

Run No.	Ex. Conduit	New Conduit	Existing Conductors	New Conductors	Notes
1	4"		72SMFO		
			36 SMFO		
	4"				Spare; Conduit to be intercepted See construction note 8
2	2"		12SMFO		
			12SMFO		
3	3"		12SMFO		
			12SMFO		
4	2"		12SMFO		
			12SMFO		
5	3"		12SMFO		
			12SMFO		
6	4"		48SMFO		
			36SMFO		
			12SMFO		
	4"				Spare
7	4"		48SMFO		
			48SMFO		
8		4"		72SMFO	Intercepted Conduit See Construction note 8
				36 SMFO	Intercepted Conduit See Construction note 8
9		4"		12SMFO	
				12SMFO	
10		3"		12SMFO	
				12SMFO	
11		4"		48SMFO	
				36SMFO	
				12SMFO	
		4"			Spare
12		4"		48SMFO	Intercepted Conduit See Construction note 14
				48SMFO	Intercepted Conduit See Construction note 14
13		3"		12SMFO	
				12SMFO	

1 WIRE SCHEDULE
SCALE: N/A

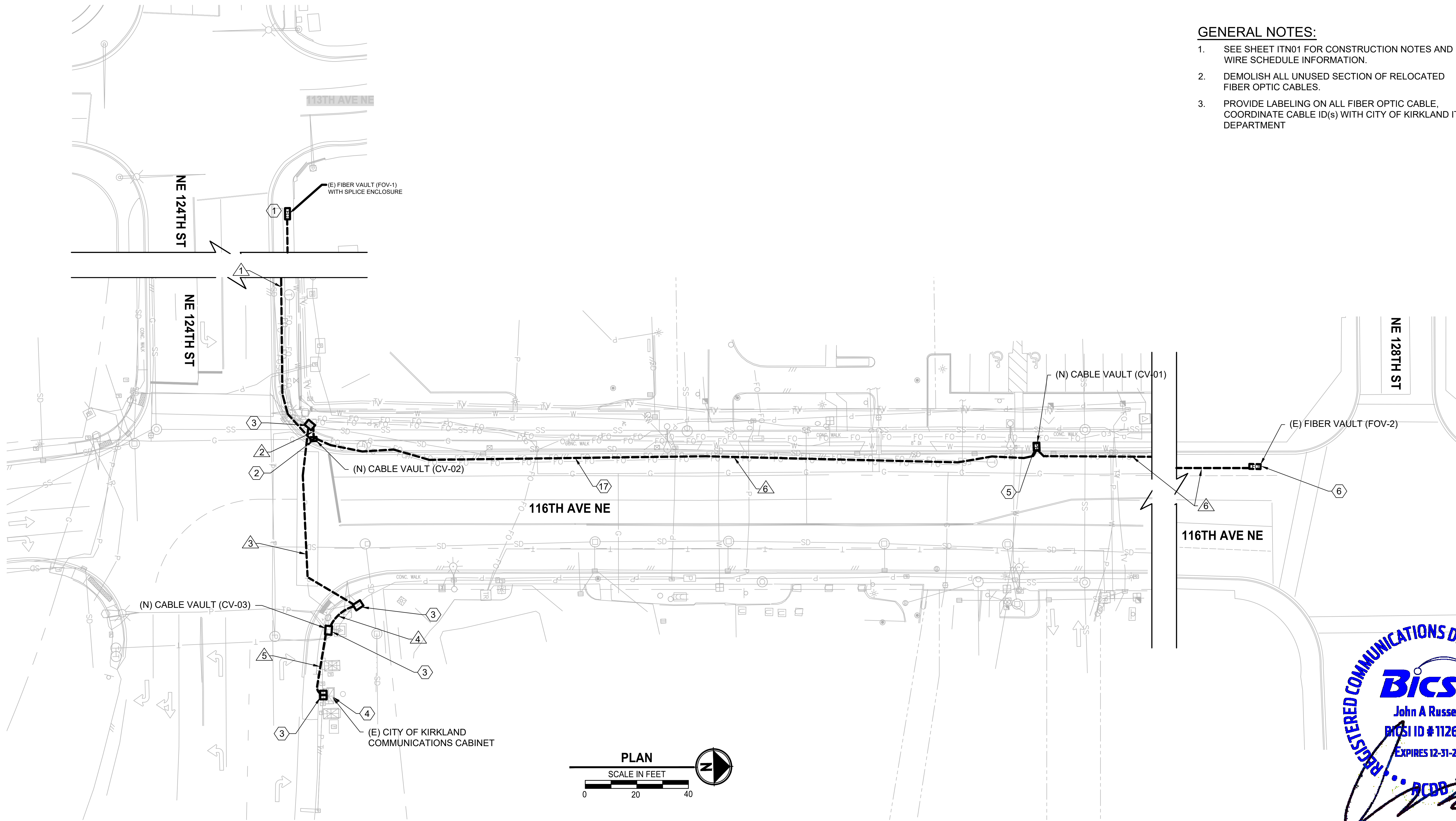
CONSTRUCTION NOTES:

- EXISTING FIBER VAULT (FOV-1) WITH EXISTING SPLICE ENCLOSURE
- EXISTING SPLICE CLOSURE IN TYPE 2 JUNCTION BOX (CV-02); JUNCTION BOX TO BE REPLACED WITH CABLE VAULT, SEE ITS02 PLACEMENT. FIELD VERIFY PLACEMENT.
- EXISTING TYPE 8 SIGNAL/ITS JUNCTION BOX
- CITY OF KIRKLAND COMMUNICATIONS CABINET WITH ITS CABINET ATTACHED.
- EXISTING SPLICE CLOSURE IN 25-TA VAULT (CV-01); VAULT TO BE RELOCATED TO NEW POSITION, SEE ITS02 PLACEMENT. FIELD VERIFY PLACEMENT.
- EXISTING FIBER OPTIC VAULT (FOV-2) WITH EXISTING SPLICE ENCLOSURE; ADDITIONAL COORDINATION REQUIRED WITH WSDOT FOR ACCESS TO VAULT.
- NEW CITY OF KIRKLAND CABLE VAULT (CV-02)
- INTERCEPT EXISTING 4" SPARE CONDUIT AND EXTEND TO NEW CITY OF KIRKLAND CABLE VAULT (CV-02)
- FIELD VERIFY EXISTING SPLICE MAKEUP. REPLICATE EXISTING SPLICES LOCATED IN THE EXISTING CABLE VAULT CV-02 IN THE RELOCATED CABLE VAULT SPLICE CLOSURE CV-02. THE 72 STRAND FIBER OPTIC CABLE WILL SPLICE TO ONE OF THE (1) 48 STRAND CABLES AND (1) 12 STRAND CABLE. CONTRACTOR IS RESPONSIBLE TO ACCOMMODATE ALL REQUIRED SPLICING AT THIS LOCATION.
- FURNISH AND INSTALL NEW CITY OF KIRKLAND CABLE VAULT (CV-03)
- RETERMINATE NEW (2) 12 STRAND FIBER OPTIC CABLES TO EXISTING FIBER OPTIC DISTRIBUTION PANEL. FIELD VERIFY CABLE/PANEL TERMINATION LOCATION. COORDINATE TERMINATION/OUTAGE WITH CITY OF KIRKLAND IT DEPARTMENT
- FURNISH AND INSTALL SPLICE CLOSURE AND SPLICE NEW FIBER OPTIC CABLE AS INDICATED IN SPLICE DETAIL 1 ON SHEET ITS03
- FURNISH AND INSTALL SPLICE CLOSURE AND SPLICE NEW FIBER OPTIC CABLE AS INDICATED IN SPLICE DETAIL 2 ON SHEET ITS03
- FURNISH AND INSTALL NEW CITY OF KIRKLAND CABLE VAULT (CV-01)
- INTERCEPT EXISTING 4" SPARE CONDUIT AND EXTEND TO NEW CITY OF KIRKLAND CABLE VAULT (CV-02)
- PULL BACK FIBER OPTIC CABLE FROM EXISTING CABLE VAULT (CV-01) TO EXISTING FIBER VAULT (FV-02). RE-INSTALL FIBER OPTIC CABLE TO RELOCATED CABLE VAULT (CV-01)
- PULL BACK EXISTING 48SMFO TO FOV-02 AND RE-INSTALL INTO NEW CABLE VAULT (CV-01)



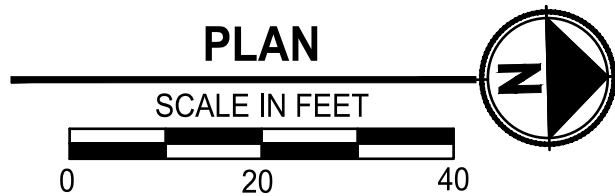
BID SET

FILE: ITS01 LAYOUT: SITE PLAN (EXISTING) PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th\116AveNE\955ves\CADD\DWG\FiberOptic PLOTTED BY: kerdmar DATE: Monday, March 1, 2021 7:46:54 AM



- GENERAL NOTES:**
- SEE SHEET ITN01 FOR CONSTRUCTION NOTES AND WIRE SCHEDULE INFORMATION.
 - DEMOLISH ALL UNUSED SECTION OF RELOCATED FIBER OPTIC CABLES.
 - PROVIDE LABELING ON ALL FIBER OPTIC CABLE, COORDINATE CABLE ID(s) WITH CITY OF KIRKLAND IT DEPARTMENT

1 SITE PLAN (EXISTING)
SCALE: 1/2" = 1'-0"



BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION

APPROVED BY:

DATE: 10/5/2021

J. RUSSELL DESIGNED BY:	1/2021 DATE
J. BERRY DRAWN BY:	1/2021 DATE
M. KENDALL CHECKED BY:	3/2021 DATE

ITS01 - FIBER OPTIC SITE PLAN (EXISTING)

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET:	25 OF 34
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	ITS01.DWG


FILE: ITS02 LAYOUT: PROPOSED PATH: U:\FSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th St 116th Ave NE\99svcs\CADD DWG\FiberOptic PLOTTED BY: kendermer DATE: Monday, March 1, 2021 7:51:04 AM



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APPROVED BY:


DATE: 10/5/2021

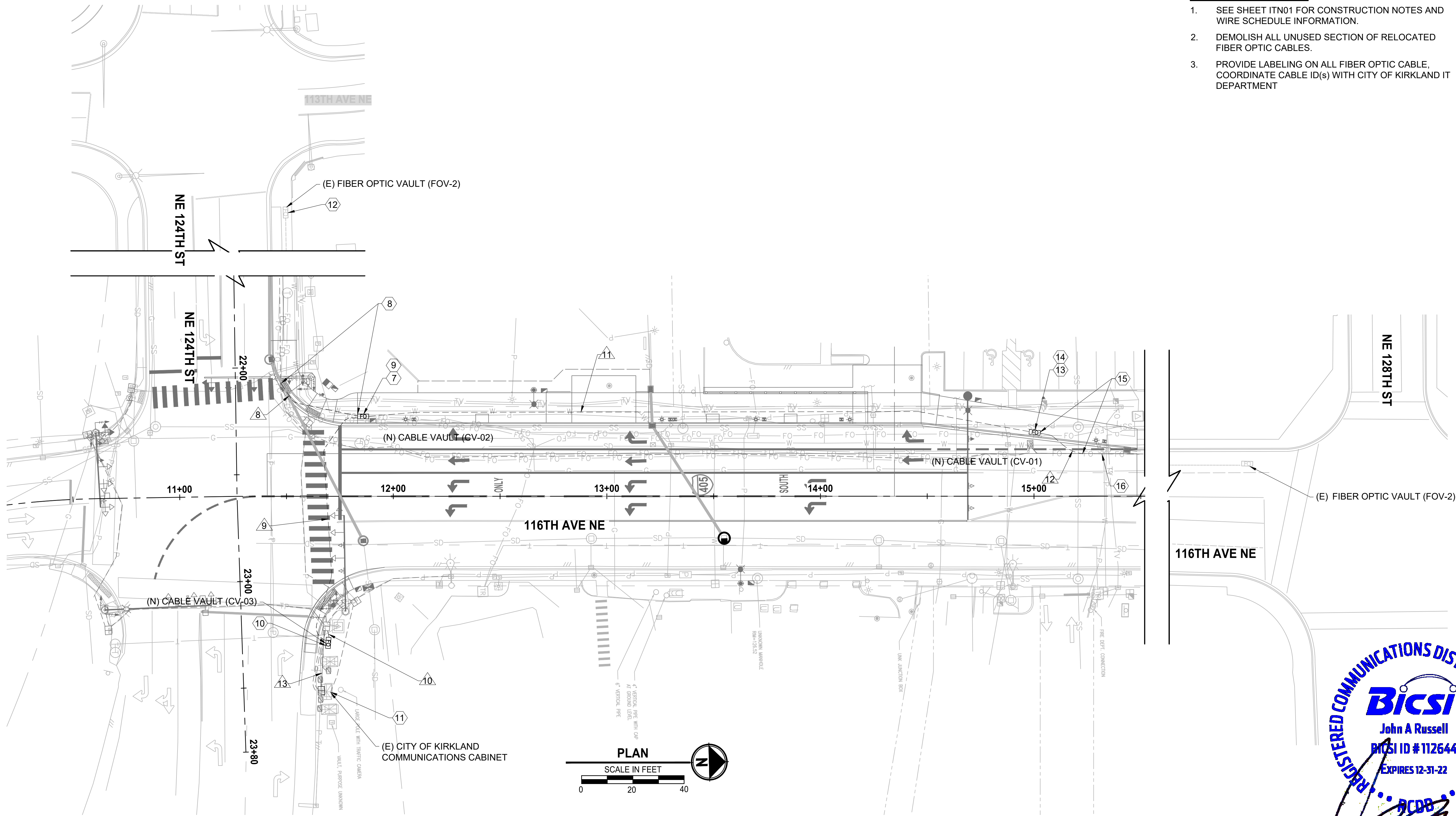
J. RUSSELL 1/2021
DESIGNED BY: DATE
J. BERRY 1/2021
DRAWN BY: DATE
M. KENDALL 3/2021
CHECKED BY: DATE

ITS02 - FIBER OPTIC SITE PLAN (PROPOSED)

Parametrix NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES CITY OF KIRKLAND, WA

SHEET: 26 OF 34
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME: ITS02.DWG

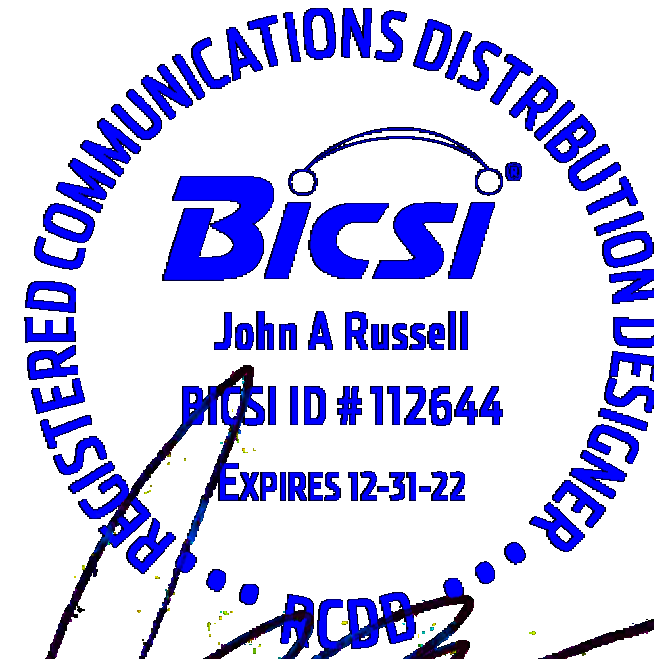
BID SET



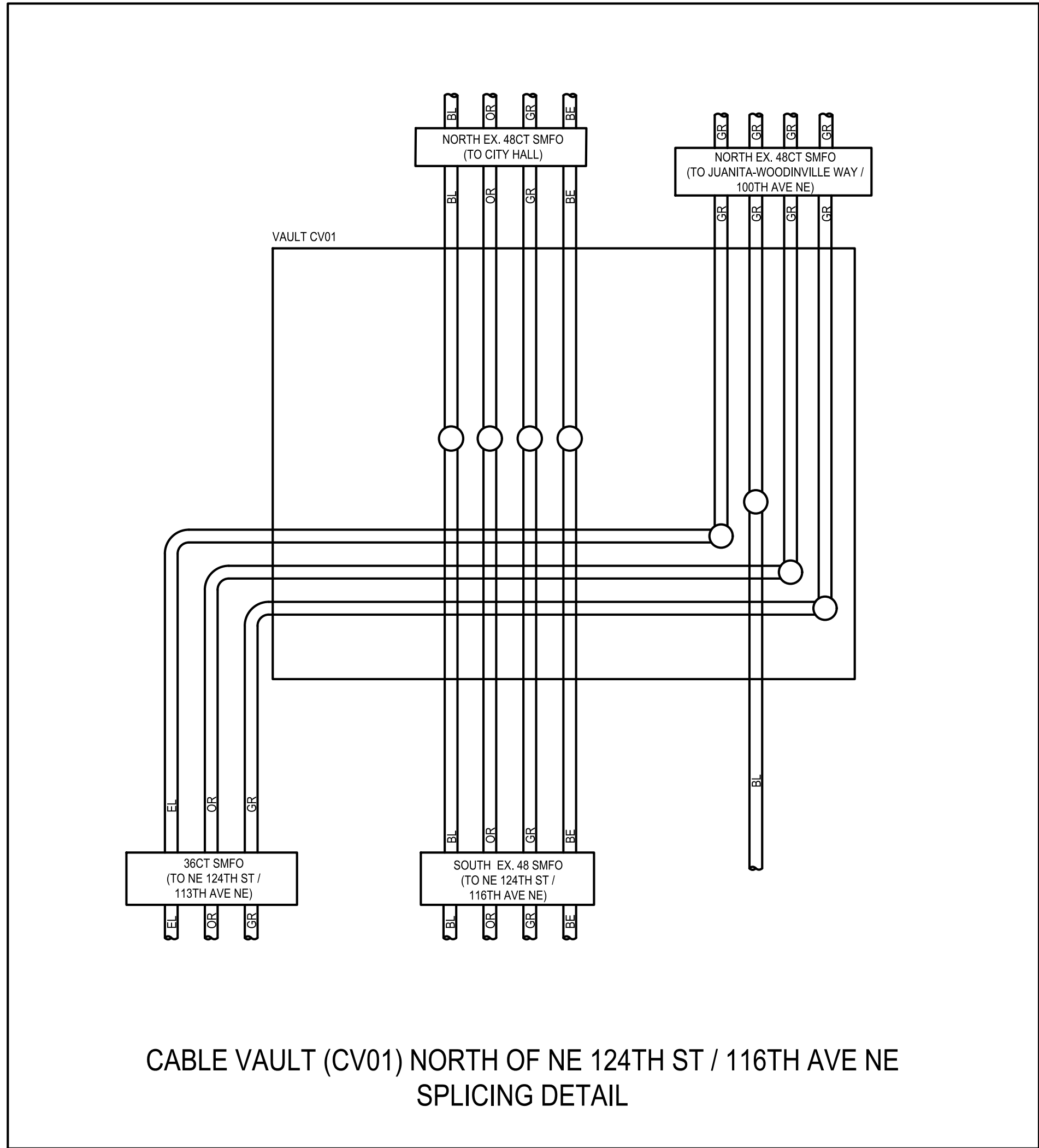
1 SITE PLAN (PROPOSED)
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- SEE SHEET ITN01 FOR CONSTRUCTION NOTES AND WIRE SCHEDULE INFORMATION.
- DEMOLISH ALL UNUSED SECTION OF RELOCATED FIBER OPTIC CABLES.
- PROVIDE LABELING ON ALL FIBER OPTIC CABLE, COORDINATE CABLE ID(S) WITH CITY OF KIRKLAND IT DEPARTMENT

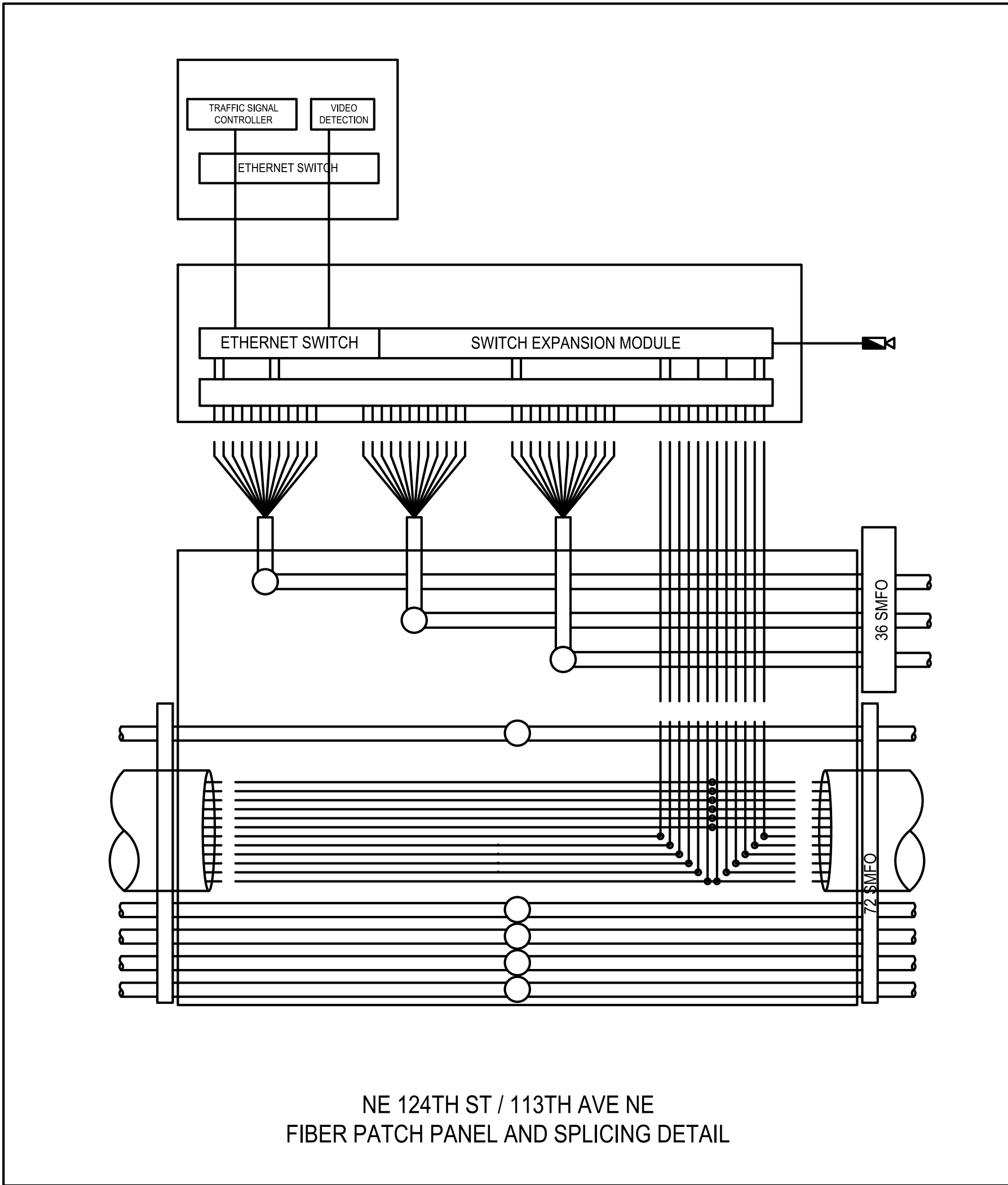


FILE: ITS03 LAYOUT: SPLICING DETAILS PATH: U:\PS0\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th 116AveNE\99Sves\CADD\DWG\FiberOptic PLOTTED BY: kendamar DATE: Wednesday, January 20, 2021 7:18:38 AM



CABLE VAULT (CV01) NORTH OF NE 124TH ST / 116TH AVE NE
SPLICING DETAIL

2 SPLICE DETAIL AT CV-01
SCALE: N/A



NE 124TH ST / 113TH AVE NE
FIBER PATCH PANEL AND SPLICING DETAIL

1 SPLICE DETAIL AT FOV-01
SCALE: N/A

GENERAL NOTES:

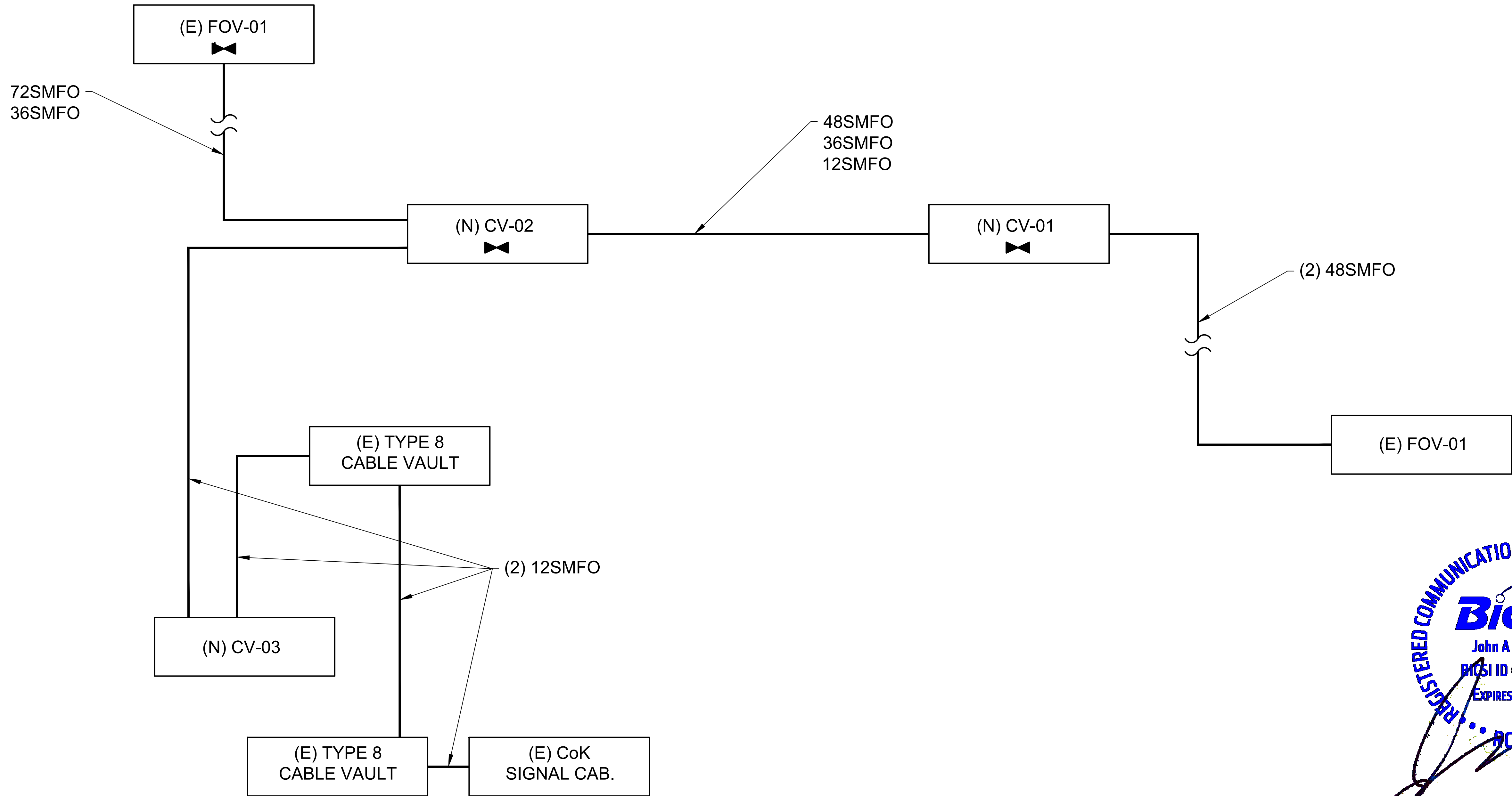
1. SEE SHEET ITN01 FOR CONSTRUCTION NOTES AND WIRE SCHEDULE INFORMATION.
2. DEMOLISH ALL UNUSED SECTION OF RELOCATED FIBER OPTIC CABLES.
3. PROVIDE LABELING ON ALL FIBER OPTIC CABLE, COORDINATE CABLE ID(S) WITH CITY OF KIRKLAND IT DEPARTMENT



BID SET

	CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS 123 FIFTH AVENUE KIRKLAND, WA 98033 (425) 587-3800 www.kirklandwa.gov	NO.	DATE	BY	APPR.	REVISION	<div>APPROVED BY:</div> <div></div> <div>DATE: 10/5/2021</div>	<div>J. RUSSELL DESIGNED BY: 1/2021 DATE</div> <div>J. BERRY DRAWN BY: 1/2021 DATE</div> <div>M. KENDALL CHECKED BY: 1/2021 DATE</div>	ITS03 - FIBER OPTIC SPLICE DETAILS NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS CITY OF KIRKLAND, WA 	SHEET: 27 OF 34
										SCALE: NO SCALE
										JOB NO.: 214-1802-047
										FILENAME: ITS03.DWG

FILE: ITS04 LAYOUT: ONE-LINE PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124st 116AveNE\985ves\CADD\DWG\FiberOptic PLOTTED BY: kendamar DATE: Wednesday, January 20, 2021 7:20:09 AM



1 FIBER OPTIC CABLE ONE-LINE DIAGRAM
SCALE: N/A



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DATE: 10/5/2021

J. RUSSELL	1/2021
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M. KENDALL	1/2021
CHECKED BY:	DATE

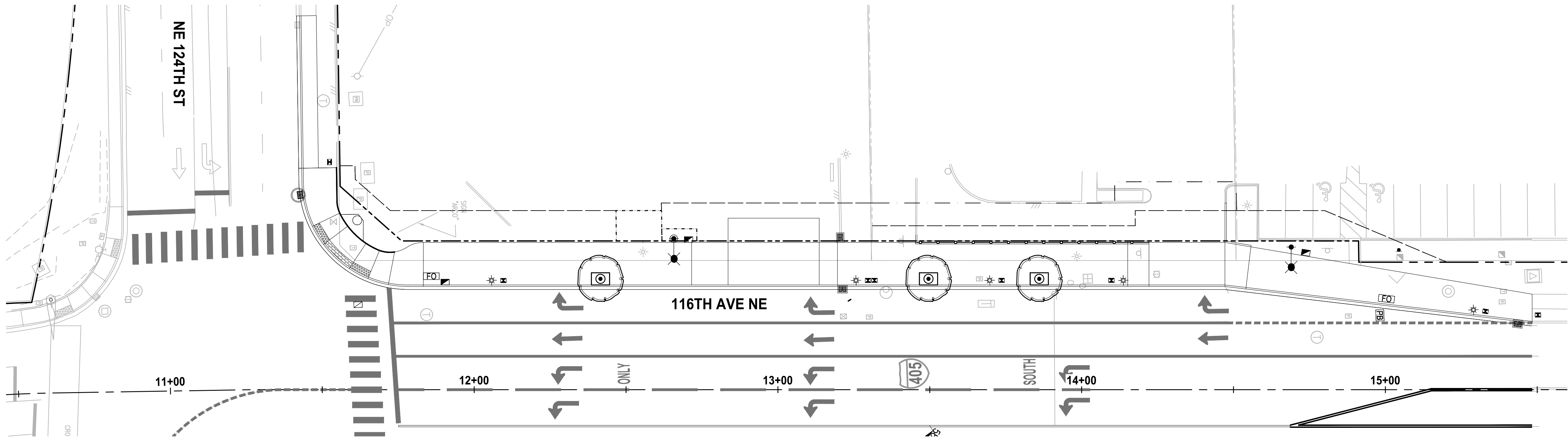
ITS04 - FIBER OPTIC CABLE ONE-LINE DIAGRAM

Parametrix NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES CITY OF KIRKLAND, WA

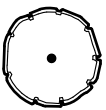
BID SET
SHEET: 28 OF 34
SCALE: NO SCALE
JOB NO.: 214-1802-047
FILENAME: ITS04.DWG



FILE: PS18020471S-01 LAYOUT: LSI PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th\116thNE\98Sves\CADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:04:48 PM



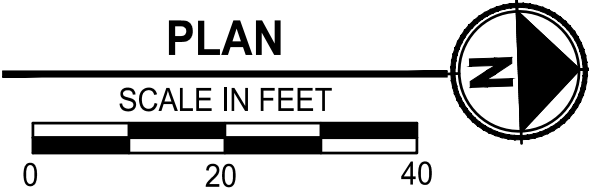
LEGEND:



'TSCHONOSKII' CRABAPPLE -
AS SHOWN

NOTES:

1. INSTALL TREE PER CITY OF KIRKLAND 4'x6' TREE WELL PLANTING DETAIL.



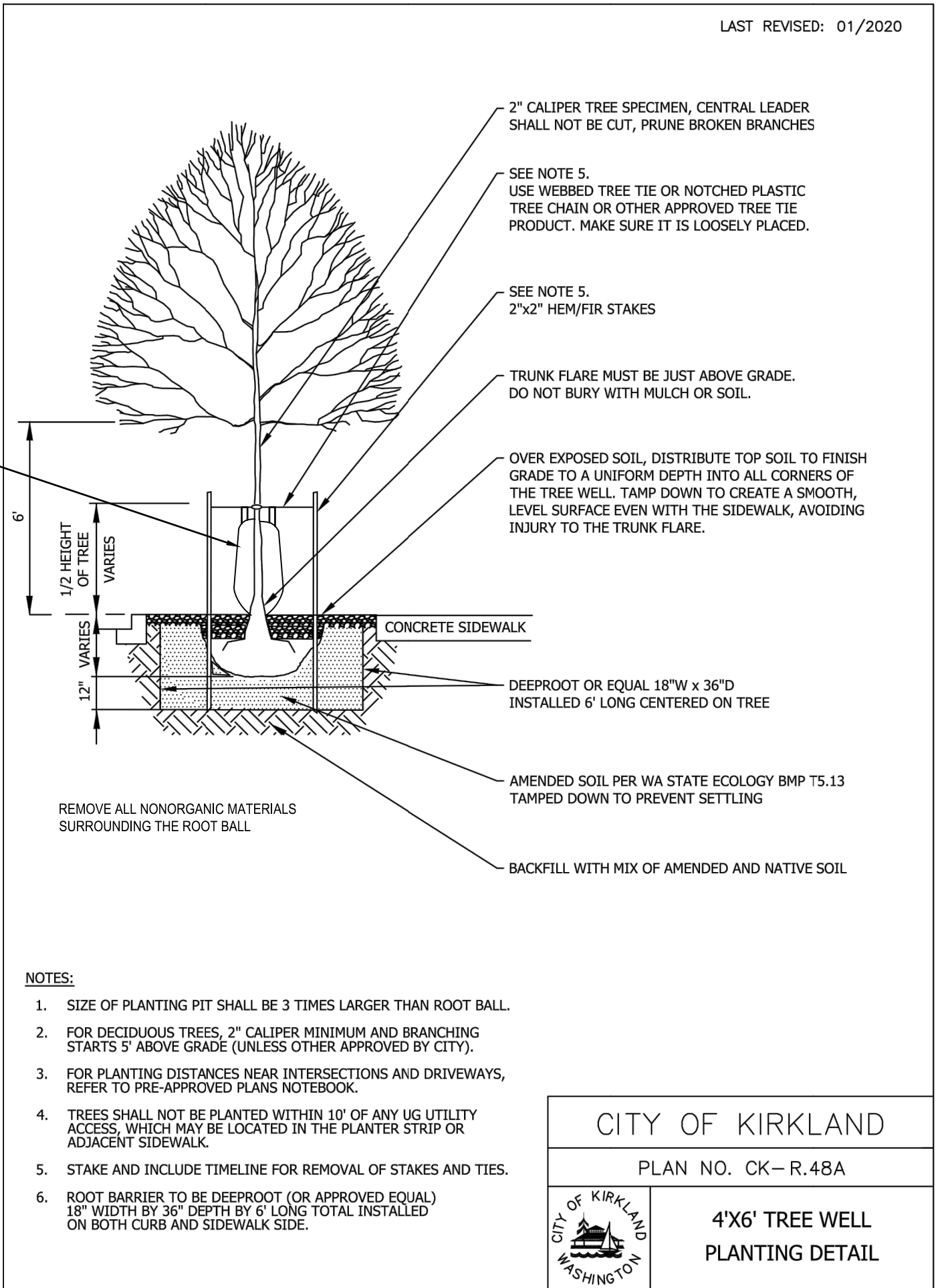
PLANT MATERIAL LIST

QTY.	BOTANICAL NAME	COMMON NAME	SIZE & SPACING
3	MALUS TSCHONOSKII	TSCHONOSKII CRABAPPLE	2" CAL., 12-14' MIN. HT., B&B

GENERAL LANDSCAPE NOTES:

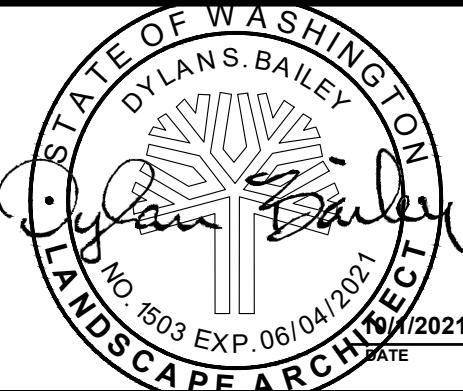
1. REFER TO THIS SHEET FOR PLANT INSTALLATION DETAILS.
2. ALL WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE/CITY.
3. CONTRACTOR IS REQUIRED TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
5. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO THE EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
6. INSTALL 18" MIN. DEPTH IMPORT TOPSOIL TYPE A IN ALL TREE WELLS BEYOND THE TREE PIT.
7. PLANT MATERIALS SHALL MEET STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSEYMEN STANDARD (ANSI Z60.1) AND WASHINGTON STATE STANDARDS FOR NURSERY STOCK ORDER NO. 1627. ALL PLANT MATERIALS SHALL HAVE SUFFICIENT ROOT DEVELOPMENT TO ASSURE SURVIVAL AND HEALTHY GROWTH. CONTAINER GROWN PLANT MATERIALS ARE REQUIRED TO HAVE SUFFICIENT ROOT GROWTH TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER, BUT SHALL NOT BE ROOT BOUND.
8. PLANT LIST QUANTITIES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES IN LIST WITH PLAN CALL-OUTS AND INSTALLING PLANTINGS PER THE LANDSCAPE PLAN. GROUNDCOVER QUANTITIES SHALL BE ADJUSTED AS REQUIRED FOR FIELD CONDITIONS AT THE SPECIFIC SPACING.
9. PRIOR TO BARK PLACEMENT, ALL SHRUB BED AREAS SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE. FOLLOW ALL MANUFACTURER'S APPLICATION INSTRUCTIONS. PREEMERGENT HERBICIDE SHALL BE ELANCO XL2G OR APPROVED EQUAL.
10. MULCH SHALL BE INSTALLED TO DEPTH OF 3 INCHES IN ALL NEW PLANTING AREAS. PRIOR TO MULCH PLACEMENT GRADE SHALL BE BROUGHT TO A UNIFORM LINE WITH NO SURFACE IRREGULARITIES. WATERING BERMS AROUND PLANTS SHALL BE HAND COMPACTED AND OF A SMOOTH AND EVEN GRADE PRIOR TO MULCH PLACEMENT. MULCH SHALL BE WATER-COMPACTED UPON PLACEMENT.
11. NO SUBSTITUTIONS SHALL BE CONSIDERED FOR PLANTS OR OTHER MATERIALS DURING THE BIDDING PROCESS.
12. CONTRACTOR SHALL WARRANTY ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE HAS BEEN GRANTED. OWNER SHALL THEN ASSUME ALL RESPONSIBILITIES FOR MAINTAINING ALL PLANTS IN A HEALTHY GROWING CONDITION FOR THE LIFE OF THIS PROJECT.
13. LANDSCAPE MATERIALS & QUANTITIES WILL BE FIELD ADJUSTED TO FIT ACTUAL CONDITIONS, IF NECESSARY. COORDINATE LANDSCAPE CONSTRUCTION AND REVIEWS W/ OWNER'S REPRESENTATIVE.

TREE GATOR WATER BAG OR EQUIVALENT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.



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NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine Mun
DATE: 10/5/2021

D. BAILEY 7/2021
DESIGNED BY: DATE

D. BAILEY 7/2021
DRAWN BY: DATE

D. SCHNEIDER 7/2021
CHECKED BY: DATE

LANDSCAPE PLAN AND DETAILS

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NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

BID SET

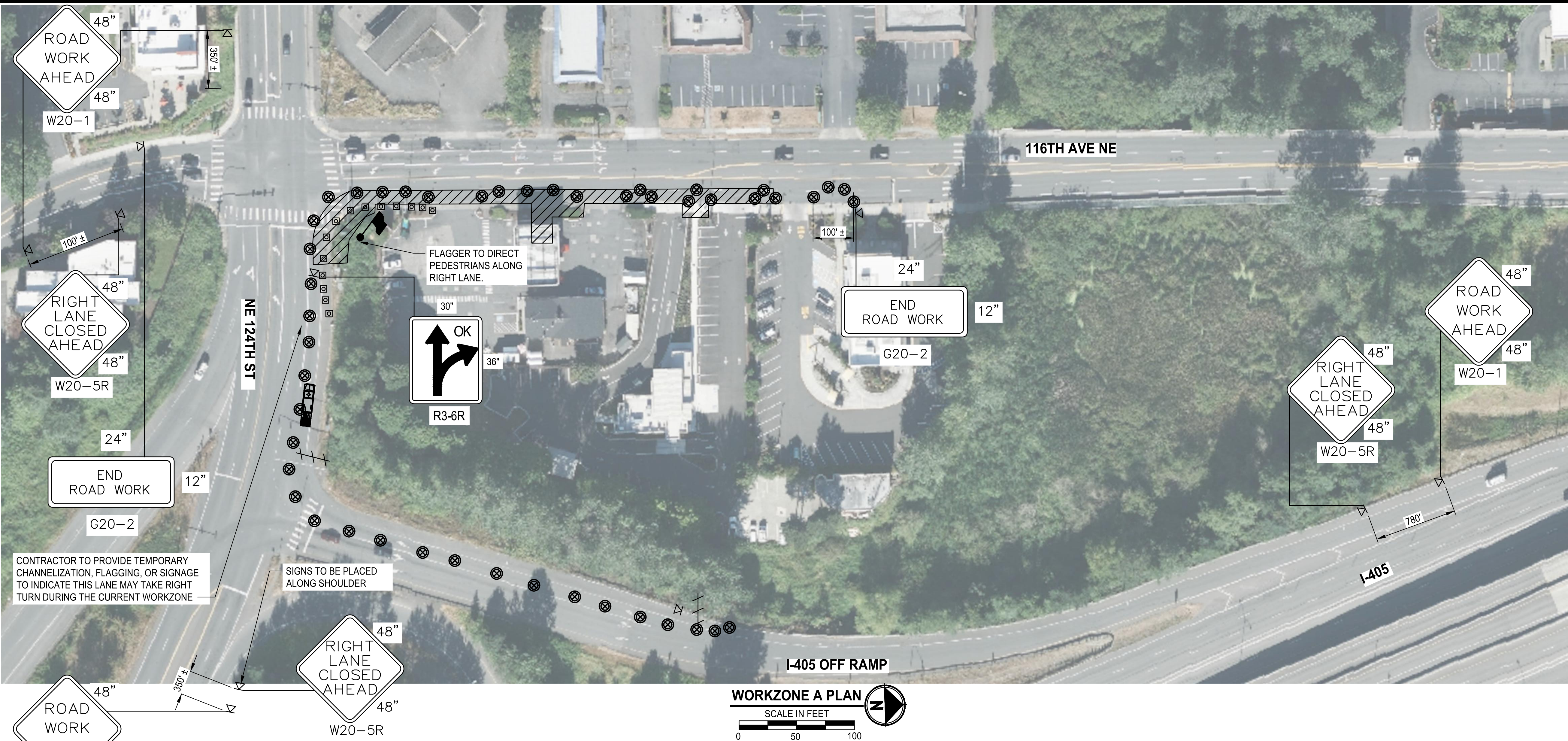
SHEET: **29** OF **35**

SCALE: 1" = 20'

JOB NO.: 214-1802-047

FILENAME:

FILE: PS1802047TTC-01 LAYOUT: WORKZONE A PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE124th\116th\NE 995\CAADD\DWG PLOTTED BY: DubowDa DATE: Friday, September 24, 2021 2:04:55 PM



GENERAL NOTES:

- PLANS ARE REPRESENTATIVE OF RECOMMENDED STANDARD TRAFFIC CONTROL FOR EACH INDIVIDUAL WORKZONE. SIGN SPACING MAY BE REDUCED DUE TO URBAN CONDITIONS. CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC CONTROL PLANS AND COORDINATE WITH THE CITY REGARDING DEVIANCIES TO THE RECOMMENDED MINIMUM CHANNELIZATION TAPER AND TANGENT LENGTHS. WSDOT IS APPROVING TRAFFIC CONTROL WITHIN LIMITED ACCESS ONLY. TRAFFIC APPROVAL EXPIRES 6 MONTHS AFTER THE SIGNED DATE. CONTACT WSDOT NW REGION RADIO 5 MINUTES PRIOR TO START OF ALL CLOSURES AND AGAIN AFTER REOPENING AT (206)440-4490. EMAIL JUAN REYES (WSDOT TRAFFIC) FIVE DAYS PRIOR TO WORK AT REYES.J@WSDOT.WA.GOV. ATTACH THE APPROVED TRAFFIC CONTROL PLAN THAT WILL BE USED.
- UNIFORMED POLICE OFFICER TO BE PRESENT AT ALL TIMES DURING ANY WORK REQUIRING SHUTDOWN OF SIGNAL AND WORK BEING PERFORMED ON THE TRAFFIC SIGNAL ELEMENTS.
- SEE WSDOT STANDARD TRAFFIC CONTROL PLANS TC5 (SHOULDER CLOSURE - LOW SPEEDS), TC-3 (SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS), TC-11 (LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY), AND TC-16 (INTERSECTION PEDESTRIAN TRAFFIC CONTROL) FOR STANDARD TRAFFIC CONTROL DESIGN REFERENCES.
- SEE MUTCD FIGURES TA-22 (RIGHT-HAND CLOSURE ON THE FAR SIDE OF AN INTERSECTION) AND TA-23 (LEFT-HAND LANE CLOSURE ON THE FAR SIDE OF AN INTERSECTION) FOR STANDARD TRAFFIC CONTROL DESIGN REFERENCES.
- OPEN TRAVEL LANE SHALL BE NO LESS THAN 10 FEET.
- CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION. ESCORT PEDESTRIANS THROUGH THE WORK ZONE. CONTRACTOR SHALL MAINTAIN ALL DRIVEWAY ACCESS UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTIFY AFFECTED RESIDENTS AND BUSINESSES.
- LAND CLOSURE HOURS ARE SUNDAY THROUGH THURSDAY FROM 8:00 PM TO 5:00 AM.
- ALL SIGNS ARE BLACK ON ORANGE.
- CONTRACTOR TO BAG EXISTING LANE CONFIGURATION SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONFIGURATIONS.
- NO CLOSURES WILL BE ALLOWED FROM 12:00 PM THE DAY PRIOR TO A HOLIDAY OR HOLIDAY WEEKENDS THROUGH 12:00 PM THE DAY FOLLOWING A HOLIDAY OR HOLIDAY WEEKEND. A HOLIDAY WEEKEND OCCURS WHEN A HOLIDAY FALLS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY.

LEGEND:

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZATION DEVICE
- WORK ZONE
- TYPE 3 BARRICADE
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- TRANSPORTABLE ATTENUATOR
- PROTECTIVE VEHICLE
- PEDESTRIAN CHANNELIZING DEVICES

WSDOT STANDARD TRAFFIC CONTROL REFERENCE TABLES

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FT)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH		> 55 MPH		< 45 MPH		45-55 MPH		> 55 MPH	
100'	123'		172'		74'		100'		150'	
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

MINIMUM LANE CLOSURE TAPER LENGTH = L (FT)											
LANE WIDTH (FT)	POSTED SPEED (MPH)										
	25	30	35	40	45	50	55	60	65	70	
10	105	150	205	270	450	500	550	-	-	-	
11	115	165	225	295	495	550	605	660	-	-	
12	125	180	245	320	540	600	660	720	780	840	

MINIMUM SHOULDER TAPER LENGTH = L/3 (FT)											
SHOULDER WIDTH (FT)	POSTED SPEED (MPH)										
	25	30	35	40	45	50	55	60	65	70	
8'	40	40	60	90	-	-	-	-	-	-	
10'	40	60	90	90	-	-	-	-	-	-	
USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'											

SIGN SPACING = X (1)		
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.		

CHANNELIZATION DEVICE SPACING (FT)		
MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Catherine Clark
DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

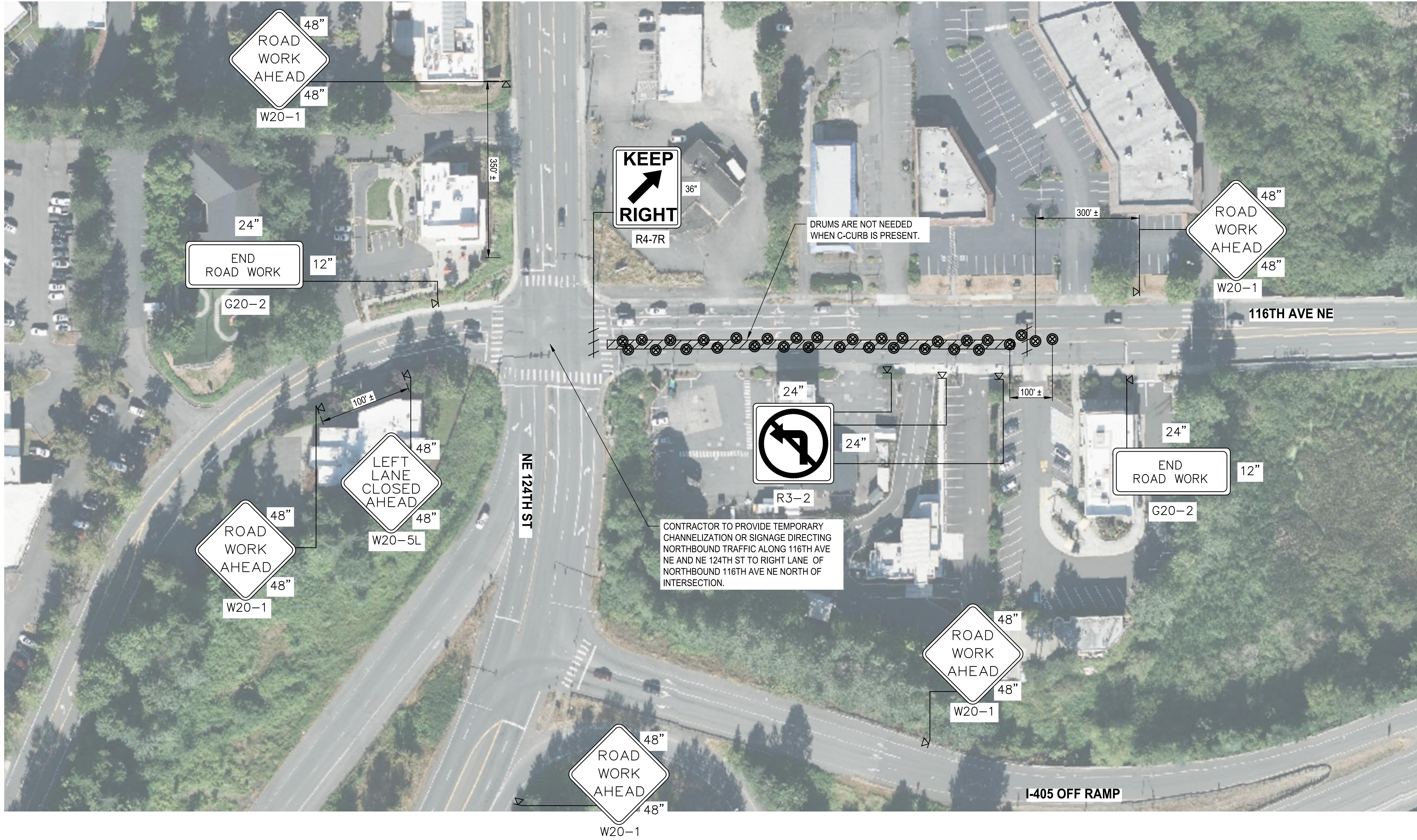
TEMPORARY TRAFFIC CONTROL WORKZONE A

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

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ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

SHEET: **30** OF **35**
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: PS1802047TTC-01 LAYOUT: WORKZONE B PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047-NE124th\116th\NE1995\cs\CADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:05:02 PM



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- LEGEND:**
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 - TEMPORARY SIGN LOCATION
 - CHANNELIZATION DEVICE
 - WORK ZONE
 - TYPE 3 BARRICADE
 - TRAFFIC SAFETY DRUM
 - SEQUENTIAL ARROW SIGN
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 - PROTECTIVE VEHICLE
 - PEDESTRIAN CHANNELIZING DEVICES

BID SET



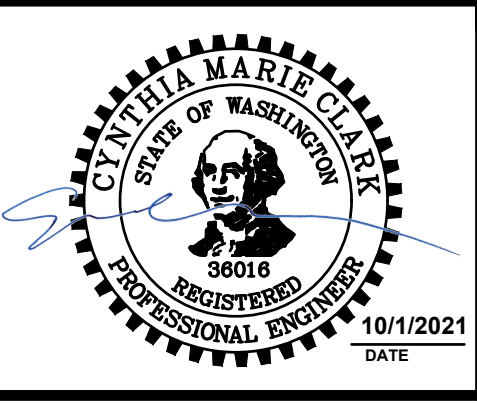
CITY OF KIRKLAND

DEPARTMENT OF PUBLIC WORKS

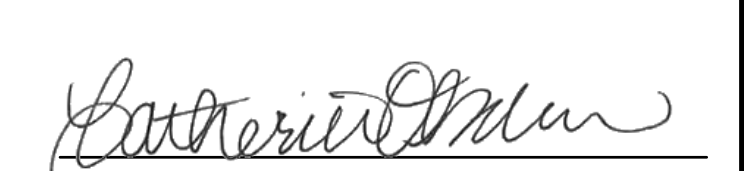
123 FIFTH AVENUE KIRKLAND, WA 98033

(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:



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D. SUSLIKOV 7/2021
DESIGNED BY: DATE

C. DUBOW 7/2021
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CHECKED BY: DATE

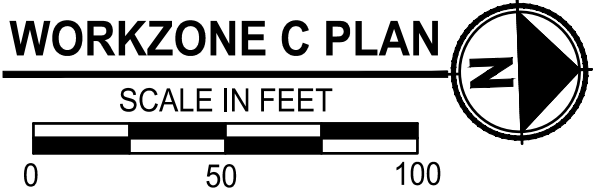
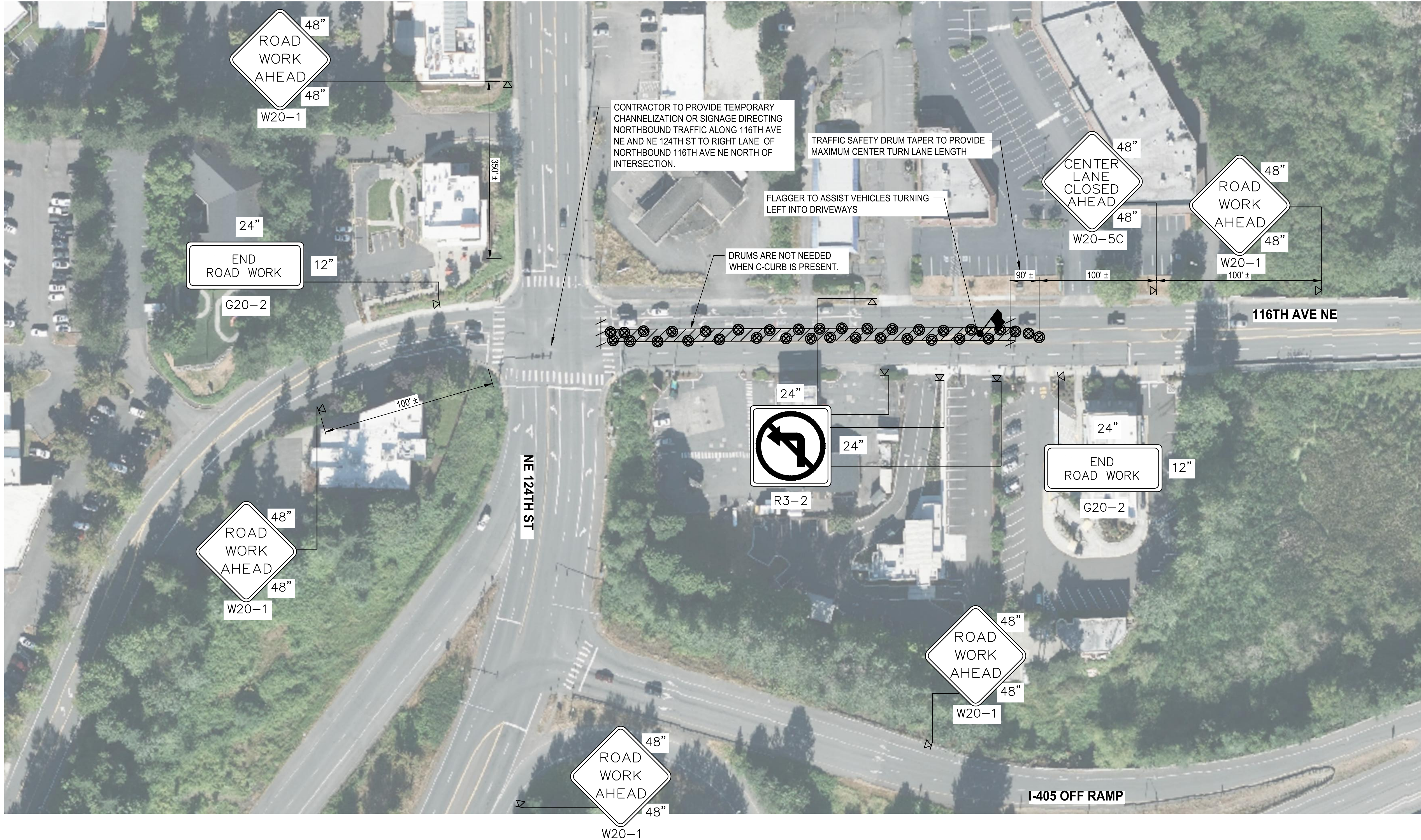
**TEMPORARY TRAFFIC CONTROL
WORKZONE B**

NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

Parametrix
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

SHEET:	31 OF 35
SCALE:	1" = 20'
JOB NO.:	214-1802-047
FILENAME:	

FILE: PS1802047TTC-01 LAYOUT: WORKZONE C PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047-NE124th\116thNE\995.wcs\CADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:05:07 PM



- GENERAL NOTES:**
1. PLANS ARE REPRESENTATIVE OF RECOMMENDED STANDARD TRAFFIC CONTROL FOR EACH INDIVIDUAL WORKZONE. SIGN SPACING MAY BE REDUCE DUE TO URBAN CONDITIONS. CONTRACTOR TO PROVIDE TEMPORARY TRAFFIC CONTROL PLANS AND COORDINATE WITH THE CITY REGARDING DEVIANCIES TO THE RECOMMENDED MINIMUM CHANNELIZATION TAPER AND TANGENT LENGTHS. WSDOT IS APPROVING TRAFFIC CONTROL WITHIN LIMITED ACCESS ONLY. TRAFFIC APPROVAL EXPIRES 6 MONTHS AFTER THE SIGNED DATE. CONTACT WSDOT NW REGION RADIO 5 MINUTES PRIOR TO START OF ALL CLOSURES AND AGAIN AFTER REOPENING AT (206)440-4490. EMAIL JUAN REYES (WSDOT TRAFFIC) FIVE DAYS PRIOR TO WORK AT REYES.J@WSDOT.WA.GOV. ATTACH THE APPROVED TRAFFIC CONTROL PLAN THAT WILL BE USED.
 2. UNIFORMED POLICE OFFICER TO BE PRESENT AT ALL TIMES DURING ANY WORK REQUIRING SHUTDOWN OF SIGNAL AND WORK BEING PERFORMED ON THE TRAFFIC SIGNAL ELEMENTS.
 3. SEE WSDOT STANDARD TRAFFIC CONTROL PLANS TC5 (SHOULDER CLOSURE - LOW SPEEDS), TC-3 (SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS), TC-11 (LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY), AND TC-16 (INTERSECTION PEDESTRIAN TRAFFIC CONTROL) FOR STANDARD TRAFFIC CONTROL DESIGN REFERENCES.
 4. SEE MUTCD FIGURES TA-22 (RIGHT-HAND CLOSURE ON THE FAR SIDE OF AN INTERSECTION) AND TA-23 (LEFT-HAND LANE CLOSURE ON THE FAR SIDE OF AN INTERSECTION) FOR STANDARD TRAFFIC CONTROL DESIGN REFERENCES.
 5. OPEN TRAVEL LANE SHALL BE NO LESS THAN 10 FEET.
 7. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION. ESCORT PEDESTRIANS THROUGH THE WORK ZONE. CONTRACTOR SHALL MAINTAIN ALL DRIVEWAY ACCESS UNLESS OTHERWISE NOTED. CONTRACTOR TO NOTIFY AFFECTED RESIDENTS AND BUSINESSES.
 8. LAND CLOSURE HOURS ARE SUNDAY THROUGH THURSDAY FROM 8:00 PM TO 5:00 AM.
 9. ALL SIGNS ARE BLACK ON ORANGE.
 10. CONTRACTOR TO BAG EXISTING LANE CONFIGURATION SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONFIGURATIONS.
 11. NO CLOSURES WILL BE ALLOWED FROM 12:00 PM THE DAY PRIOR TO A HOLIDAY OR HOLIDAY WEEKENDS THROUGH 12:00 PM THE DAY FOLLOWING A HOLIDAY OR HOLIDAY WEEKEND. A HOLIDAY WEEKEND OCCURS WHEN A HOLIDAY FALLS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY.

- LEGEND:**
- FLAGGING STATION
 - TEMPORARY SIGN LOCATION
 - CHANNELIZATION DEVICE
 - WORK ZONE
 - TYPE 3 BARRICADE
 - TRAFFIC SAFETY DRUM
 - SEQUENTIAL ARROW SIGN
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - TRANSPORTABLE ATTENUATOR
 - PROTECTIVE VEHICLE
 - PEDESTRIAN CHANNELIZING DEVICES

BID SET



CITY OF KIRKLAND
DEPARTMENT OF PUBLIC WORKS
123 FIFTH AVENUE KIRKLAND, WA 98033
(425) 587-3800 www.kirklandwa.gov

NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

DATE: 10/5/2021

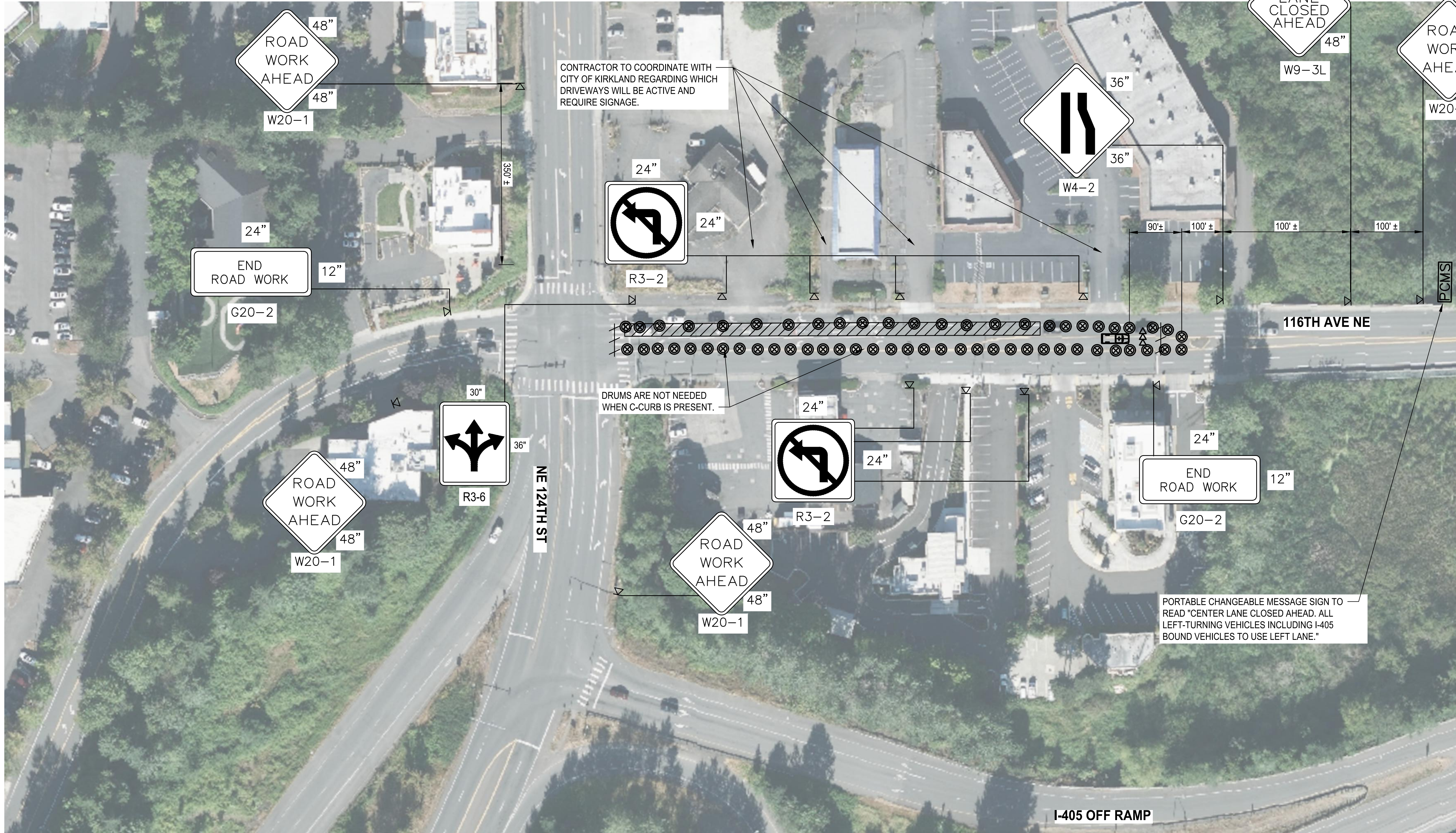
D. SUSLIKOV 7/2021
DESIGNED BY: DATE
C. DUBOW 7/2021
DRAWN BY: DATE
D. SCHNEIDER 7/2021
CHECKED BY: DATE

**TEMPORARY TRAFFIC CONTROL
WORKZONE C**

Parametrix
ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES
NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS
CITY OF KIRKLAND, WA

SHEET: **32 OF 35**
SCALE: 1" = 20'
JOB NO.: 214-1802-047
FILENAME:

FILE: PS1802047TTC-01 LAYOUT: WORKZONE D PATH: U:\PSO\Projects\Clients\Kirkland\1802-CityOfKirkland\214-1802-047 NE124th\116th\NE1995\GADD\DWG PLOTTED BY: DubowGa DATE: Friday, September 24, 2021 2:05:12 PM



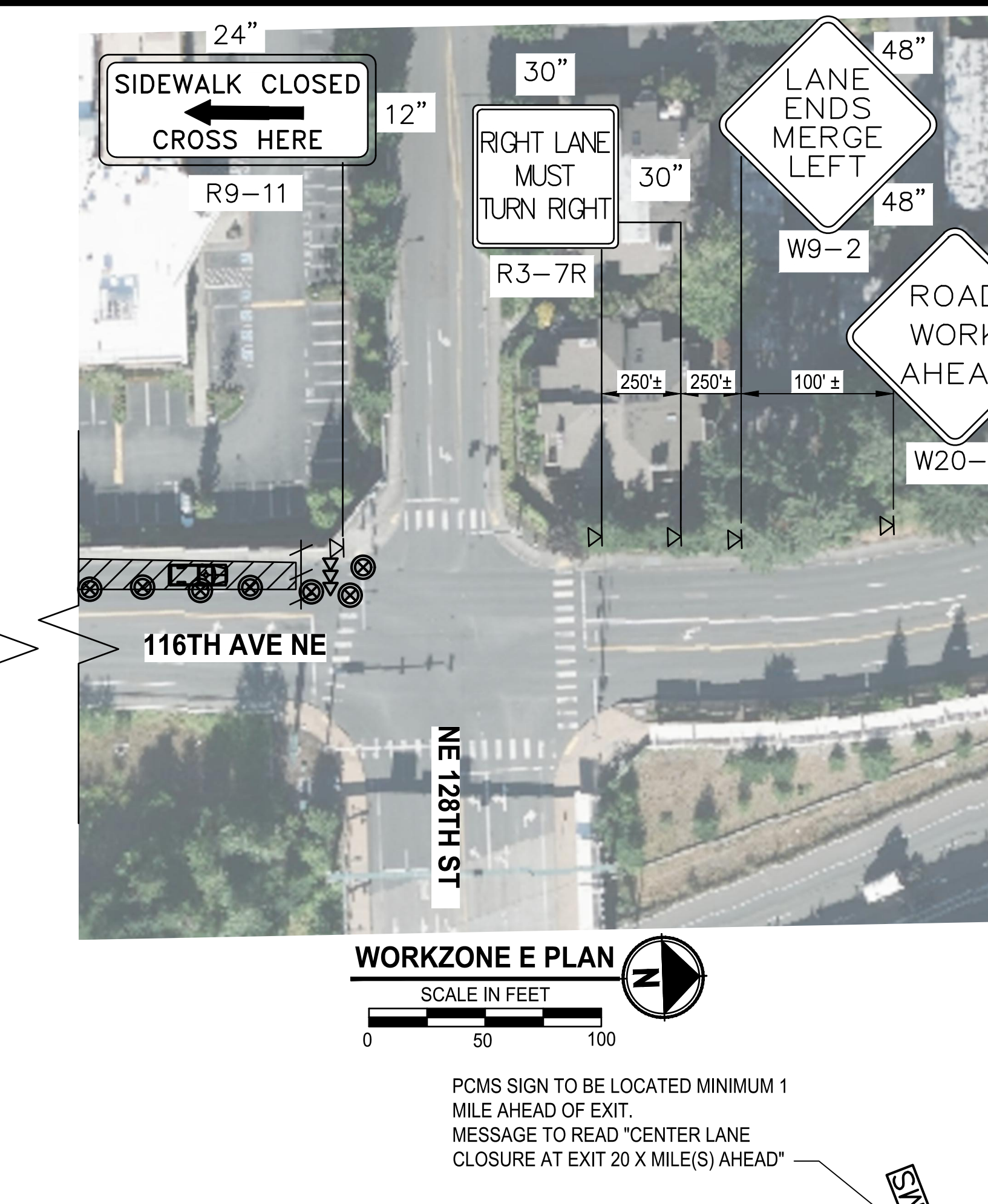
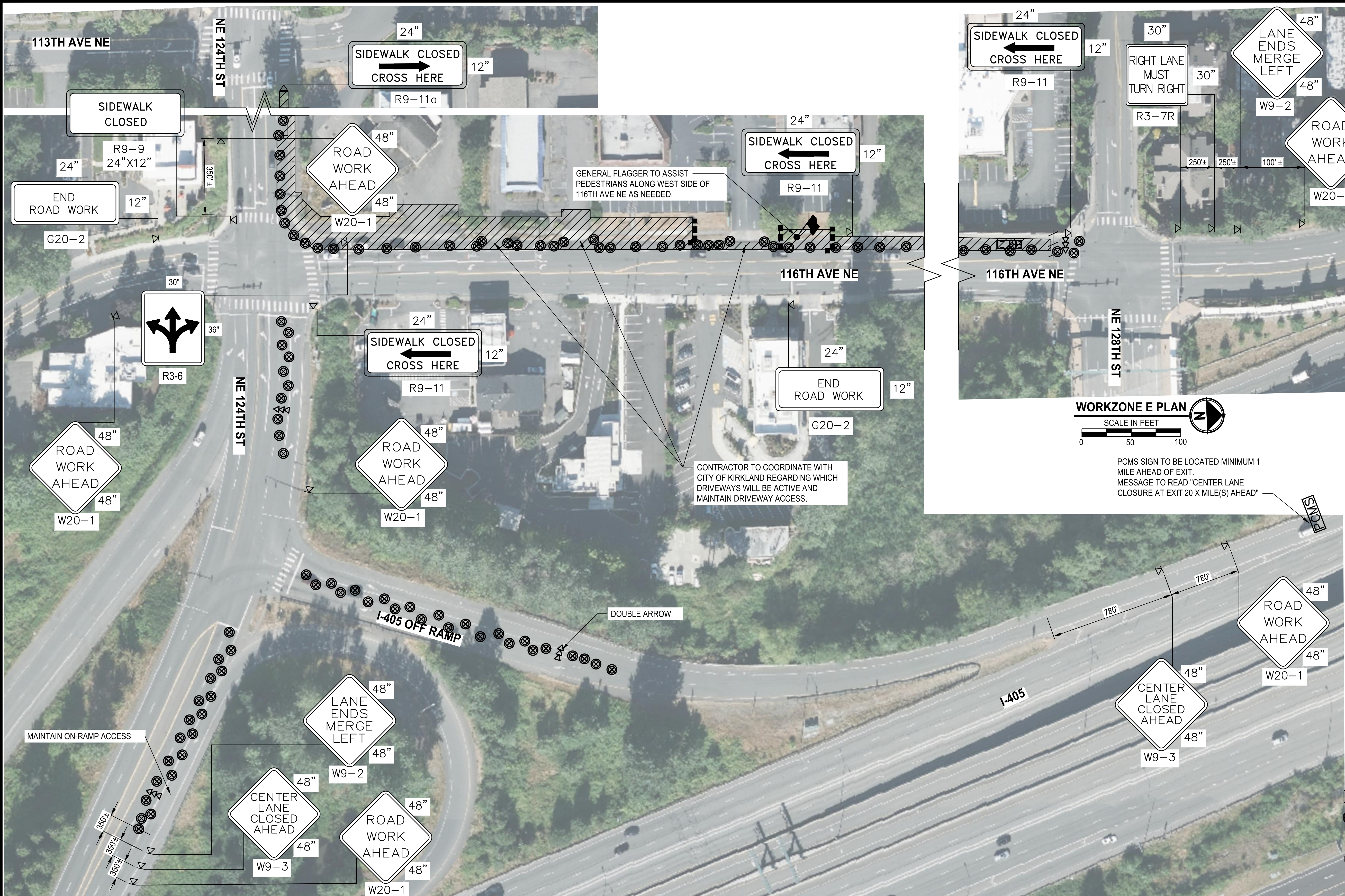
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 - SEE WSDOT STANDARD TRAFFIC CONTROL PLANS TC5 (SHOULDER CLOSURE - LOW SPEEDS), TC-3 (SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS), TC-11 (LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY), AND TC-16 (INTERSECTION PEDESTRIAN TRAFFIC CONTROL) FOR STANDARD TRAFFIC CONTROL DESIGN REFERENCES.
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 - TRANSPORTABLE ATTENUATOR
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BID SET

	CITY OF KIRKLAND DEPARTMENT OF PUBLIC WORKS 123 FIFTH AVENUE KIRKLAND, WA 98033 (425) 587-3800 www.kirklandwa.gov	NO.	DATE	BY	APPR.	REVISION		APPROVED BY: DATE: 10/5/2021	D. SUSLIKOV DESIGNED BY: 7/2021 DATE C. DUBOW DRAWN BY: 7/2021 DATE D. SCHNEIDER CHECKED BY: 7/2021 DATE	TEMPORARY TRAFFIC CONTROL WORKZONE D NE 124TH ST / 116TH AVE NE INTERSECTION IMPROVEMENTS CITY OF KIRKLAND, WA ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES	SHEET: 33 of 35
											SCALE: 1" = 20'
											JOB NO.: 214-1802-047
											FILENAME:

FILE: PS1802047TTC-01 LAYOUT: WORKZONE E PATH: U:\PSO\Projects\Clients\1802-CityOfKirkland\214-1802-047 NE 24th St 116th Ave NE\SSS\CA01.DWG PLOTTED BY: DubowG DATE: Friday, September 24, 2021 2:05:17 PM



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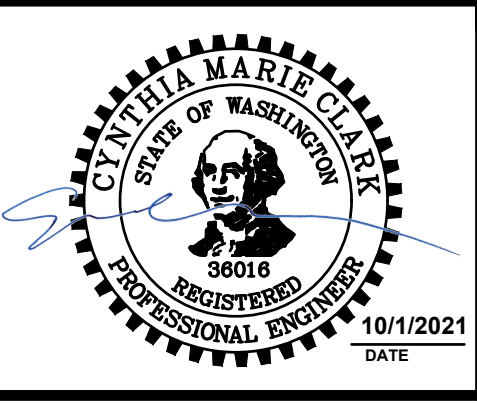
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DEPARTMENT OF PUBLIC WORKS

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NO.	DATE	BY	APPR.	REVISION



APPROVED BY:

Cynthia Marie Clark

DATE: 10/5/2021

D. SUSLIKOV 7/2021
DESIGNED BY: DATE

C. DUBOW 7/2021
DRAWN BY: DATE

D. SCHNEIDER 7/2021
CHECKED BY: DATE

TEMPORARY TRAFFIC CONTROL

WORKZONE E

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CITY OF KIRKLAND, WA

Parametrix

ENGINEERING · PLANNING · ENVIRONMENTAL SCIENCES

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